ALPINE

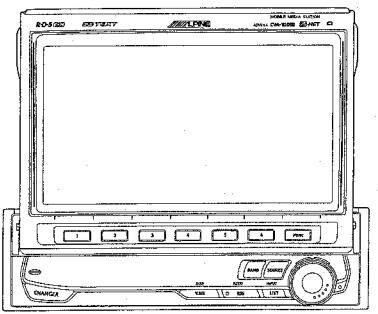
SERVICE MANUAL

Mobile Multi Media Station

- The model is component system unit of Monitor Unit and Tuner Unit.

Caution : The part marked with ⚠ is generating a high voltage, so care will be necessary when working.

- The model described in this manual is developed from medel IVA-M700R. For information that is not mentioned in this service manual, refer to the Service Manual • IVA-M700R (Part No. 68E30508S01).



CVA-1005R

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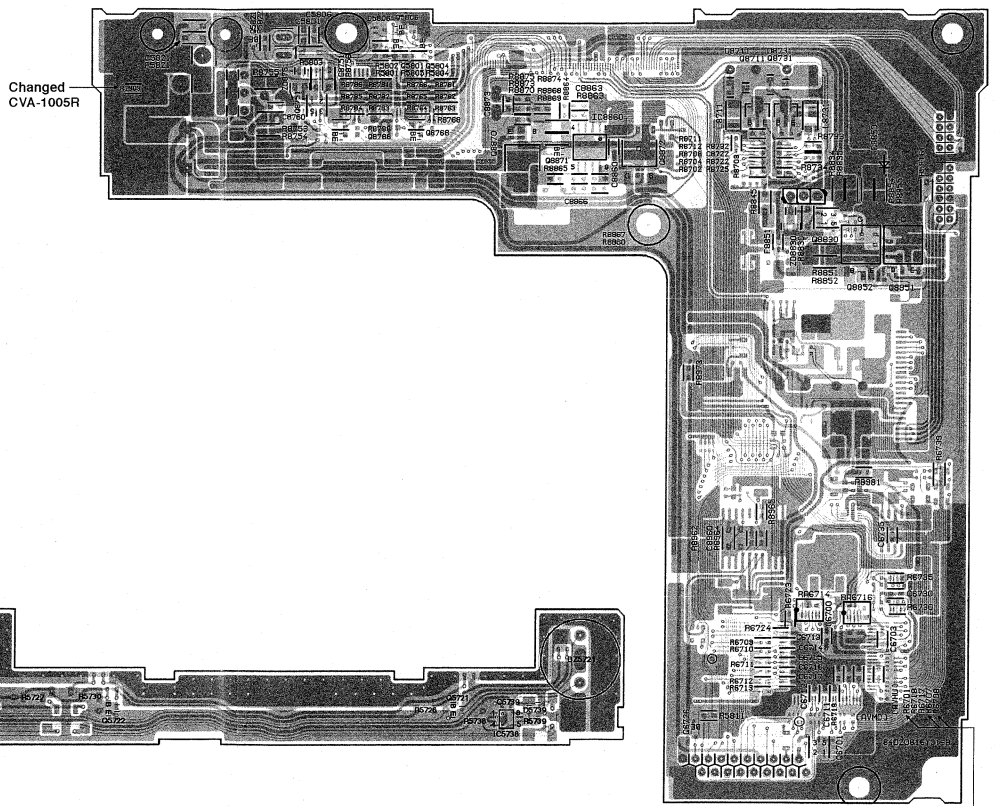
Refer to the Service Manual • IVA-M700R (Part No. 68E30508S01).

NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

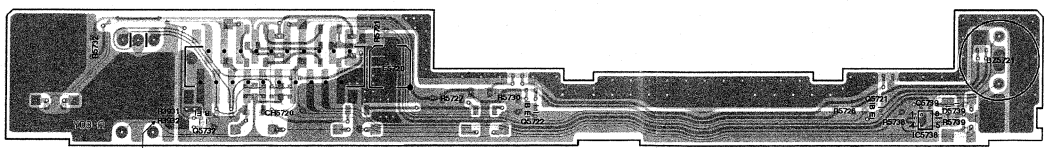
Parts Layout on P.W.Boards and Wiring Diagram (Only Difference)

NOTE : Refer to the Service Manual · IVA-M700R(68E30508S01)
for description not mentioned in this manual.

Power P.W.Board (Foil Side View)



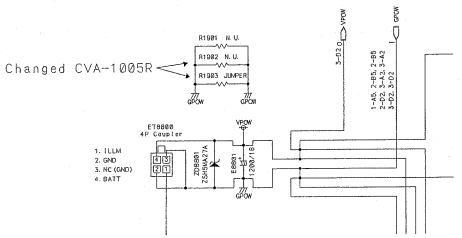
Key P.W.Board (Foil Side View)



Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

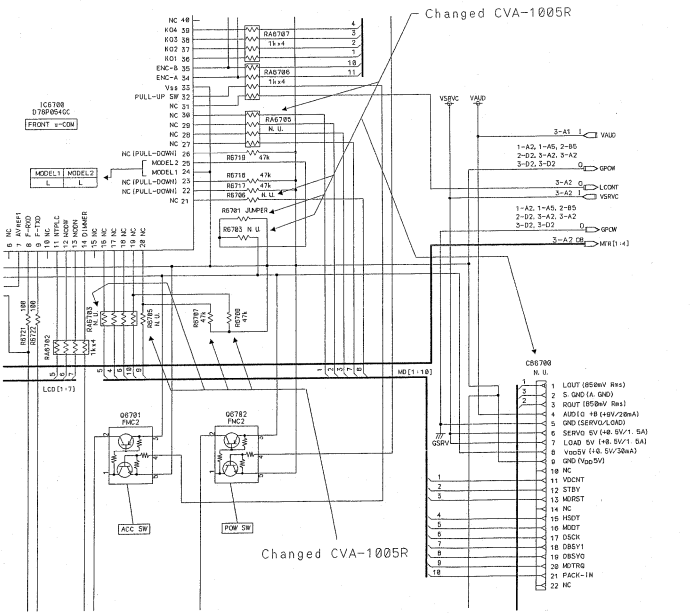
NOTE : Refer to the Service Manual · IVA-M700R (Part No. 68E30508S01)
for description not mentioned in this manual.

Schematic Diagram (1/8) (Only Difference)



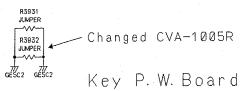
Power P. W. Board (1/3)

Schematic Diagram (2/8) (Only Difference)



Power P. W. Board (2/3)

Schematic Diagram (6/8) (Only Difference)



Key P. W. Board

NOTE : N. U. is Not Used Parts.

Electrical Parts List (Only Difference)

NOTE : For the parts not mentioned, refer to the Service Manual for IVA-M700R (Part No. 68E30508S01).

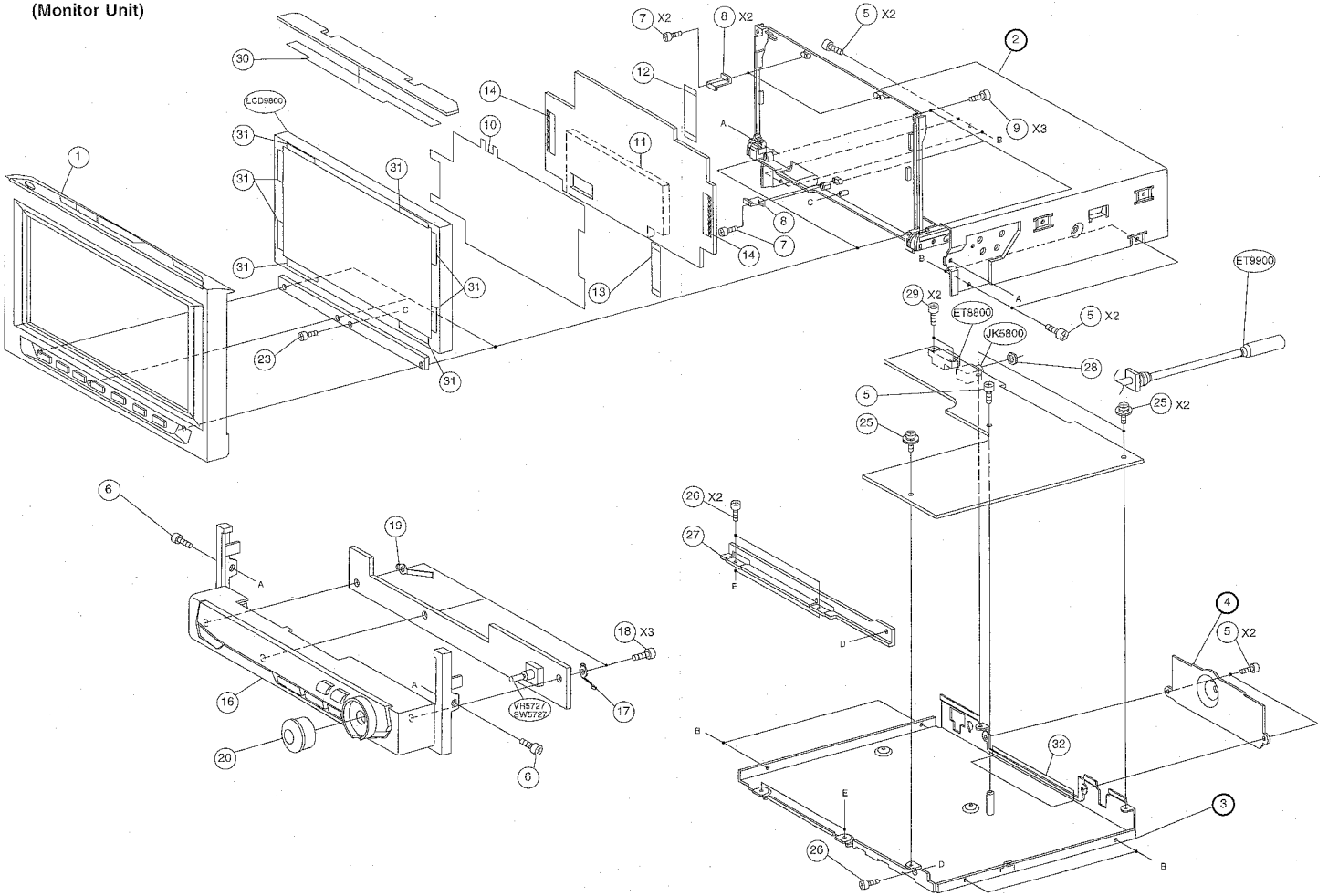
Model	IVA-M700R		CVA-1005R	
Symbol No.	Part No.	Description	Part No.	Description
Power P. W. Board				
IC's			IC's	
IC8950	51T15510W01	IC, MC34063AML -SPD	—	—
IC8980	51T25045Y04	AN7705SP-TX -NE5	—	—
Transistors			Transistors	
Q8950	48T73888F12	TR, CP. FMC2-99	—	—
Q8953	48T15511W02	CP. 2SB1261-TE2 -E5	—	—
Q8980	48T73888F13	TR, CP FMC3-99	—	—
Diode			Diode	
D8953	48T75056W01	DIO. SHT F2J4S -E5	—	—
Coil			Coil	
L8953	24T35196Y11	IND. SLF12555 331M-EA	—	—
Capacitors			Capacitors	
C8950	08S45676W80	CAP. CER 223K-B1E -CP	—	—
C8952	08S45677W36	CAP. CER 121J-CH1H-CP	—	—
C8980	08S45676W80	CAP. CER 223K-B1E -CP	—	—
E8950	23T75486W24	CAP. RZ 471-1C -H5	—	—
E8953	23T75486W24	CAP. RZ 471-1C -H5	—	—
E8980	23T25615Y34	CAP. ZT 33R-1E -E6	—	—
E8981	23T25615Y34	CAP. ZT 33R-1E -E6	—	—
Resistors			Resistors	
R1902	06S45675W43	RES. RK JUMPER1/10-CP	—	—
R1903	—	—	06S45675W43	RES. RK JUMPER1/10-CP
R6701	—	—	06S45675W43	RES. RK JUMPER1/10-CP
R6703	06S45675W43	RES. RK JUMPER1/10-CP	—	—
R6705	06S45674W57	RES. RK 102J 1/10 -CP	—	—
R6706	06S45674W57	RES. RK 102J 1/10 -CP	—	—
R6707	—	—	06S45674W97	RES. RK 473J 1/10 -CP
R6708	—	—	06S45674W97	RES. RK 473J 1/10 -CP
R8951	06S35083Y22	RES. RK 561F 1/4 -CP	—	—

Model	IVA-M700R		CVA-1005R	
Symbol No.	Part No.	Description	Part No.	Description
R8952	06S35083Y22	RES. RK 561F 1/4 -CP	—	—
R8953	06S35083Y13	RES. RK 101F 1/4 -CP	—	—
R8954	06S15593Y73	RES. RK 103F 1/10 -CP	—	—
R8955	06S15593Y84	RES. RK 303F 1/10 -CP	—	—
R8982	06125178Y40	RES. RK 24RF 1/4 -CP	—	—
RA6703	06S45591W06	RES. ARY MNR102J 4-CP	—	—
RA6705	06S45591W06	RES. ARY MNR102J 4-CP	—	—
Connector			Connector	
CB6700	09T25261Y22	FFC. SFW22R-1STE1 -EQ	—	—
Key P. W. Board				
LED's			LED's	
LD5726	48T15521Y04	LED. 310PT-JK -CP (GRN)	—	—
LD5727	48T15521Y04	LED. 310PT-JK -CP (GRN)	—	—
Resistors			Resistors	
R3932	—	—	06S45675W43	RES. RK JUMPER1/10-CP
R5734	06S35083Y22	RES. RK 561F 1/4 -CP	—	—

CVA-1005R

Evploded View (Cabinet) (1/2)

(Monitor Unit)



Cabinet Assembly Parts List (Only Difference)

NOTE : For the parts not mentioned, refer to the Service Manual for IVA-M700R (Part No. 68E30508S01).

Symbol No.	Index	Part No.	Description
1		13D21570Y04	Assy., Nose Monitor
5		03S44205G29	Screw, Pan (M2.6X6)
6		03S94355F18	Screw, Pan Nylok (M2X3.5)
7		03S70494F16	Screw, Pan (M2X4)
8		07A30106Y01	Bracket, LCD
9		03S68555F51	Screw, Pan (M2X8)
10		14B30342Y01	Insulator, LCD
11		26B22053Y01	Shield, Case Disp
12		30T25132Y08	FFC, Wire
13		30T25132Y09	FFC, Wire
14		07T35194Y01	Bracket
16		13C21684Y05	Assy., Nose Base
17		41A21804Y01	Spring, GND (R)
18		03S68555F03	Screw, Pan (M2X6)
19		41A30434Y01	Spring, GND (L)
20		36D20205Y03	Assy., Knob Rotary
23		03S70494F11	Screw, Pan (M2X5)
25		03S40036U26	Screw, W/Washer (M2.6X6)
26		03S38013W59	Screw, Pan (M2.6X3)
27		07A30296Y01	Bracket, Chassis
28		02S40000G53	Nut, Hex. (M6)
29		03S63857F51	Screw, Tapping (M3X10)
30		14A30733Y01	Insulator, Top
31		14S30726Y08	Insulator, Cover
32		14A30215Y01	Insulator, Chassis Base

Symbol No.	Index	Part No.	Description

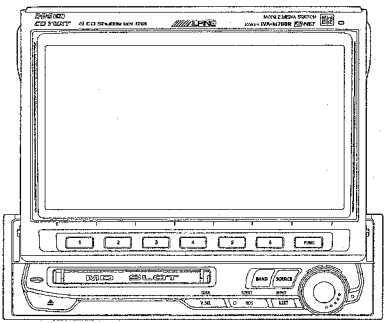
9 / 99-A
68E30507S01
Printed in Japan

ALPINE

SERVICE MANUAL

MOBILE MEDIA STATION

● The model is component system unit of Monitor Unit and Tuner Unit.
Caution : The part marked with ⚠ is generating a high voltage, so care will be necessary when working.



IVA-M700R

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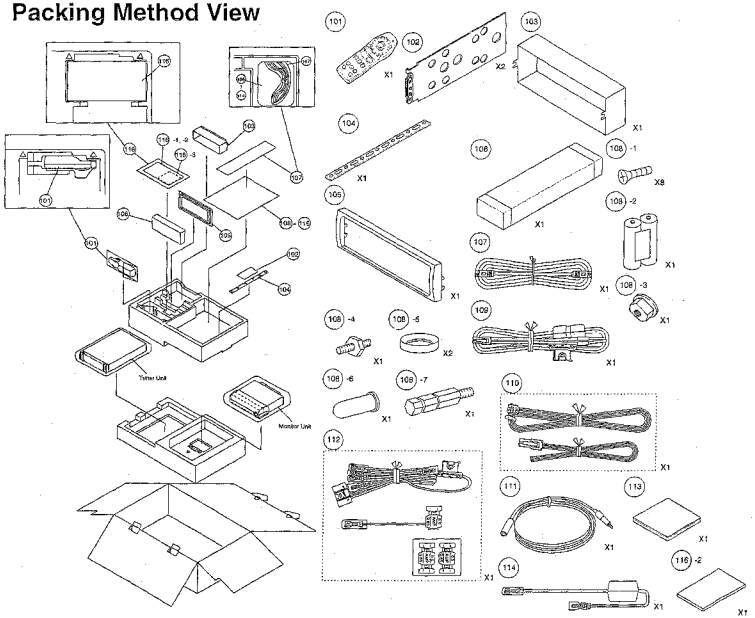
NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

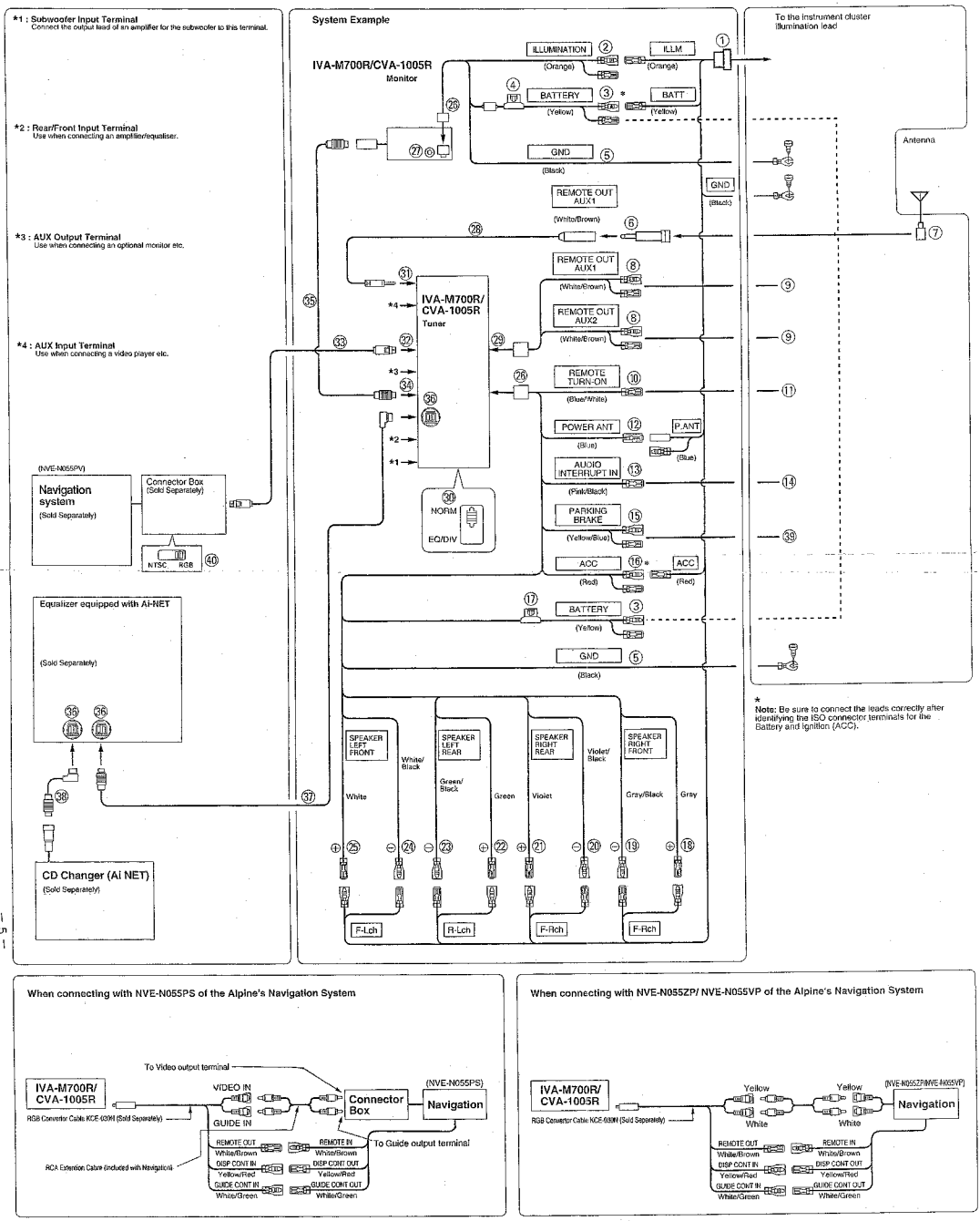
Packing Assembly Parts List

Symbol No.	Part No.	Description
101	01T25013Y05	Unit, Remote Control RUE4167
102	07T75070W01	Assy., Bracket Stopper
103	15D80814F01	Case, Inner
104	07B54552F01	Bracket, Strap Receiver
105	33C30232Y01	Face, Plate
106	15C30282Y01	Cover, Nose
107	01T35020Y01	Assy., DIN 3000 Cable
108-1	03S72235F68	Screw, Countersink (M5X6)
108-2	60T55529W01	Battery, MGN R6P (NB) SUM-3
108-3	02B47353F01	Nut, Hex. (M5)
108-4	46A42063F01	Stud, Bolt
108-5	04A80582W01	Washer, Bracket

Symbol No.	Part No.	Description
108-6	36A11113W01	Cap, Rubber (A)
108-7	03A11112W01	Bolt, Hex. (M5)
109	01T25670Y01	Assy., Power Wire (Monitor Unit)
110	01T35047Y01	Assy., Wire Remote-J
111	01T95334W02	Assy., Antenna Wire Main
112	01T95205W04	Assy., Power Wire (Tuner Unit)
113	75T58346F01	Pad, Magic Tape
114	01T35346Y01	Assy., Wire El24N
115	01T15087Y01	Assy., CVA-1000R ISO
116-1	68P21523Y72	Owner's Manual
116-2	68P21523Y73	Owner's Manual M/G/S
116-3	75T75496W02	Felt, Sheet

Packing Method View




*1 : Subwoofer Input Terminal
Connect the output lead of an amplifier for the subwoofer to this terminal.
*2 : Rear/Front Input Terminal
Use when connecting an amplifier/equaliser.
*3 : AUX Output Terminal
Use when connecting an optional monitor etc.
*4 : AUX Input Terminal
Use when connecting a video player etc.
System Example
IVA-M700R/CVA-1005R
Monitor
IVA-M700R/
CVA-1005R
Tuner
ILLUMINATION
(Orange)
ILLM
BATTERY
(Yellow)
BATT
GND
(Black)
REMOTE OUT
AUX1
(White/Brown)
REMOTE OUT
AUX2
REMOTE
TURN-ON
(Blue/White)
POWER ANT
(Blue)
P.ANT
AUDIO
INTERRUPT IN
(Pink/Black)
PARKING
BRAKE
(Yellow/Blue)
ACC
(Red)
NORM
EQ/DIV
To the instrument cluster
Illumination lead
Antenna
(NVE-N055PV)
Navigation
system
(Sold Separately)
Connector Box
(Sold Separately)
NTSC
RGB
Equalizer equipped with Ai-NET
(Sold Separately)
CD Changer (Ai NET)
(Sold Separately)
SPEAKER
LEFT
FRONT
SPEAKER
LEFT
REAR
SPEAKER
RIGHT
REAR
SPEAKER
RIGHT
FRONT
White
White/
Black
Green/
Black
Green
Violet
Violet/
Black
Gray/Black
Gray
F-Lch
R-Lch
F-Rch
F-Rch
Note: Be sure to connect the leads correctly after identifying the ISO connector terminals for the Battery and Ignition (ACC).

When connecting with NVE-N055PS of the Alpine's Navigation System
To Video output terminal
IVA-M700R/
CVA-1005R
RGB Convertor Cable KCE-630M (Sold Separately)
VIDEO IN
GUIDE IN
Connector
Box
(NVE-N055PS)
Navigation
REMOTE OUT
White/Brown
DISP CONT IN
Yellow/Red
GUIDE CONT IN
White/Green
REMOTE IN
White/Brown
DISP CONT OUT
Yellow/Red
GUIDE CONT OUT
White/Green
To Guide output terminal
RCA Extension Cable (included with Navigation)

When connecting with NVE-N055ZP/ NVE-N055VP of the Alpine's Navigation System
IVA-M700R/
CVA-1005R
RGB Convertor Cable KCE-630M (Sold Separately)
Yellow
White
Yellow
White
(NVE-N055ZP/NVE-N055VP)
Navigation
REMOTE OUT
White/Brown
DISP CONT IN
Yellow/Red
GUIDE CONT IN
White/Green
REMOTE IN
White/Brown
DISP CONT OUT
Yellow/Red
GUIDE CONT OUT
White/Green

Connections

① **ISO Connector (Included)**

② **Illumination Lead (Orange)**
This lead may be connected to the vehicle's instrument cluster illumination lead. This will allow the backlighting of the IVA-M700R/CVA-1005R to dim whenever the vehicle's lights are turned on.

③ **Battery Lead (Yellow)**
Connect this lead to the positive (+) post of the vehicle's battery.

④ **Fuse Holder (7.5A)**

⑤ **Ground Lead (Black)**
Connect this lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using the sheet metal screw provided.

⑥ **ISO Antenna Converter Plug (Included)**

⑦ **ISO Antenna Plug**

⑧ **Remote Control Output Lead (White/Brown)**

⑨ Connect this lead to the remote control input lead. This lead outputs the controlling signals from the remote control.

⑩ **Remote Turn-On Lead (Blue/White)**
Connect this lead to the remote turn-on lead of your amplifier or signal processor.

⑪ **To amplifier or equalizer**

⑫ **Power Antenna Lead (Blue)**
Connect this lead to the +B terminal of your power antenna, if applicable.

⑬ **Audio Interrupt In Lead (Pink/Black)**

⑭ **To vehicle phone**

⑮ **Parking Brake Lead (Yellow/Blue)**
Connect this lead to the power supply side of the parking brake switch to transmit the parking brake status signals to the IVA-M700R/CVA-1005R.

⑯ **Switched Power Lead (Ignition) (Red)**
Connect this lead to an open terminal on the vehicle's fuse box or another unused power source which provides (+) 12V only when the ignition is turned on or in the accessory position.

⑰ **Fuse Holder (15A)**

⑱ **Right Front (+) Speaker Output Lead (Gray)**

⑲ **Right Front (–) Speaker Output Lead (Gray/Black)**

⑳ **Right Rear (–) Speaker Output Lead (Violet/Black)**

㉑ **Right Rear (+) Speaker Output Lead (Violet)**

㉒ **Left Rear (+) Speaker Output Lead (Green)**

㉓ **Left Rear (–) Speaker Output Lead (Green/Black)**

㉔ **Left Front (–) Speaker Output Lead (White/Black)**

㉕ **Left Front (+) Speaker Output Lead (White)**

㉖ **Power Supply Connector**

㉗ **Remote Control Interface Connector**
Connect to the remote control interface box.

㉘ **Antenna Extension Cable**

㉙ **Remote Output Terminal**

㉚ **System Switch**
When connecting an equaliser or divider using Ai-NET feature, place this switch in the EQ/DIV position. When no device is connected, leave the switch in the NORM position.
NOTE:
Be sure to turn the power off to the unit before changing the switch position.

㉛ **Antenna Receptacle**

㉜ **RGB Input Terminal**
Connect this to the RGB output terminal of the Navigation System.

㉝ **RGB Cable (Included with Navigation)**

㉞ **Display Output Terminal**
Connect a monitor to this terminal using the I/F lead (included).

㉟ **I/F (Interface) Lead**

㊱ **Ai-NET Connector**
Connect this to the output or input connector of other product equipped with Ai-NET.

㊲ **Ai-NET Cable (Included with Equaliser)**

㊳ **Ai-NET Cable (Included with CD Changer)**

㊴ Connect this lead to the parking brake lead powered when parking brake is engaged.

㊵ **RGB/NTSC Output Switch**
To display the picture of Navigation system on the external monitor, place the switch in the NTSC Output position.

● Monitor Unit

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NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

IVA-M700R

Specifications

<Monitor SECTION>

Screen Size	6.5-type
Display System	Transparent type TN LCD
Drive System	TFT active matrix
Number of Picture Elements	336,960 pcs. (1,440×234)
Light Source	U-shaped cold cathode fluorescent tube

<MD SECTION>

System	Optical (Mini Disc System)
Channel Balance (1kHz)	0±3dB
Distortion (1kHz)	0.5%
Frequency Response (Ref. 1kHz)	20Hz : 0±3dB
	125Hz : 0±2dB
	10kHz : 0±2dB
	20kHz : 0±4dB
S/N Ratio	70dB
Separation (1kHz)	50dB
De-Emphasis (Ref. 1kHz)	4kHz : -20±3dB
	16kHz : -20±3dB

<Mini DISC>

Track Pitch	1.6μm
Sampling Frequency	44.1kHz
Linear Speed	1.2~1.4m/sec.
Dimension	Diameter : 64±0.2mm
	(MO) 64.8±0.2mm
	Thickness : 1.2+0.15, -0.1mm (Pre Mastered Disc)
	1.2+0.15, -0.1mm (Recordable Disc)

<EQUALIZER SECTION>

BAND	7Band
Equalizer Frequency	63Hz/160Hz/400Hz/1kHz/2.5kHz/6.3kHz/16kHz

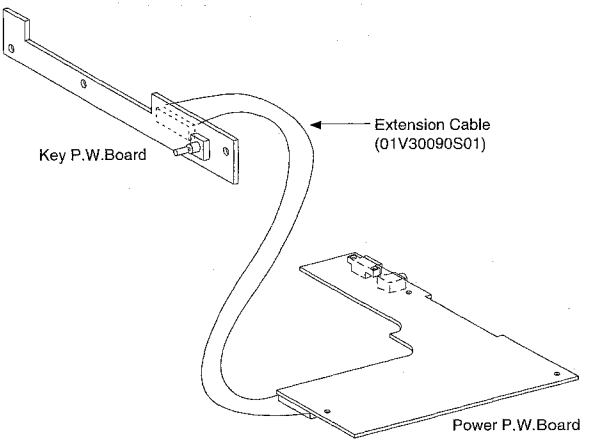
<GENERAL>

Power Supply	DC14.4V
Power Output (T.H.D. 10%) /Impedance	16W/ch/4ohm
Dimensions (W×H×D)	Chassis : 178×50×160mm
	Nose : 169.8×45.75×32.5mm
Weight	2kg

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

Extension Cable

● When repairing or measuring the voltage of this unit, connect with the Extension Cable as shown in below.



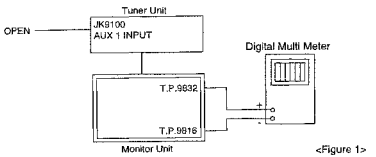
Adjustment Procedures

1. LCD luminance spot specifications

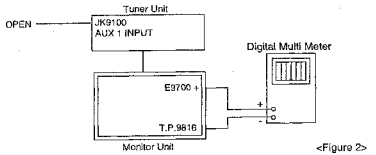
1. OK : Up to 2 points for red and 1 point for green. (NG : 3 or higher than 3 points for red and 2 or higher than for green). Successive spots are NG.
2. Other (blue) spot and overall number OK : Up to 14 for luminance spots (red, green, blue) and black points.
   NG : 15 or higher than 15 for luminance spots (red, green, blue) and black spots.
3. However, each defective spot (luminous spot and black spot) is separated by more than 5mm.
   Up to 2 dots of successive black spots is counted as point 1.
   Luminous spot (can be perceptible through a 5% ND filter).

2. Power P.W.Board Voltage Adjustment

(1) Connections



<Figure 1>



<Figure 2>

NOTE : In Figures 1 and 2, leave the AUX1 on the Tuner Unit open without any connection.
(However, select the AUX1 mode on the Monitor Unit.)

(2) Adjustment Procedures

Step	Connection	Test Point / P.W.Board Coordinates	Adjustment
1	Figure 1	T.P.9816 (5-B) T.P.9832 (4-F)	Adjust VR8733 to 13±0.1V at T.P.9832 Voltage.

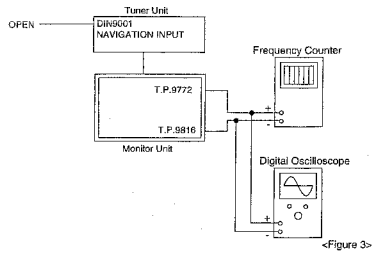
Step	Connection	Test Point / P.W.Board Coordinates	Adjustment
2	Figure 2	T.P.9816 (5-B) E9700 + (4-A)	Adjust VR8856 to 5.32±0.1V at E9700 + Voltage.

NOTE : Adjustment volume controls are provided on the Power P.W.Board and the Test Points on the LCD P.W.Board.

3. LCD Unit Adjustment

-1. LCD Timing Adjustment

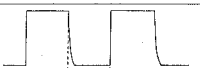
(1) Connections



<Figure 3>

NOTE : Leave the NAVIGATION INPUT on the Tunar Unit open.
(However, select the NAVI mode on the Monitor Unit.)

(2) Adjustment Procedures

Step	Connection	Test Point / P.W.Board Coordinates	Adjustment
1	Figure 3	T.P.9772 (5-C) T.P.9816 (5-B)	Adjust VR9856 to 15.734±0.003kHz at T.P.9772.
2	Figure 3	T.P.9772 (5-C) T.P.9816 (5-B)	Adjust VR9800 until L period shows 5.8μsec as shown at right. 

-2. LCD Contrast Adjustment

(1) Before starting the adjustment, enter the Dialogue Mode (11-step pattern) according to the following procedures.

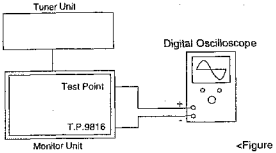
-1. Set the FM mode and press [FUNC] switch for 2 sec.

-2. The buzzer sounds and then press [NAVI.] → [LIST] → ROTARY ENCODER in this order.

-3. The Dialogue Mode will appear. Press FUNCTION switch [1] → [1] in this order.

-4. The 11-step pattern will appear.

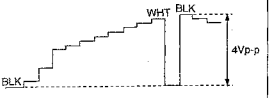
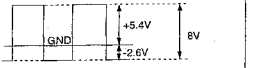
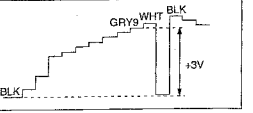
(2) Connections

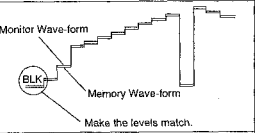
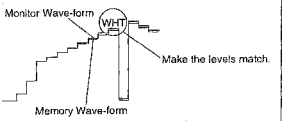
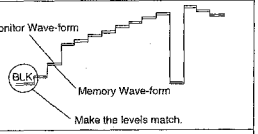
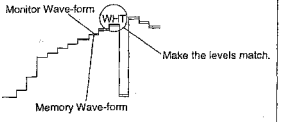


<Figure 4>

NOTE : For the Test Points in Figure 4, refer to the Test Points / P.W.Board coordinates in (3) Adjustmnt Procedures.

(3) Adjustment Procedures

Step	Connection	Test Point / P.W.Board Coordinates	Adjustment
1	Figure 4	T.P.9807 (5-A) T.P.9816 (5-B)	Adjust VR9735 until the Black-Black distance shows +4Vp-p as shown at right. 
2	Figure 4	T.P.9817 (3-F) T.P.9816 (5-B)	Adjust VR9723 / VR9765 until the waveform shows -2.6V / +5.4V as shown at right.  VR9723 : Amplitude Adjustment VR9765 : Position Adjustment
3	Figure 4	T.P.9807 (5-A) T.P.9816 (5-B)	Adjust VR9725 until the Black-Gray9 distance shows +3V as shown at right. 

Step	Connection	Test Point / P.W.Board Coordinates	Adjustment
4	—	—	After the adjustment in Step 3, keep the waveform on the Digital Oscilloscope.
5	Figure 4	T.P.9806 (5-C) T.P.9816 (5-B)	Adjust VR9733 until the black level matches the wave-form kept as shown at right. 
6	Figure 4	T.P.9806 (5-C) T.P.9816 (5-B)	Adjust VR9727 until the white level matches the wave-form kept as shown at right. 
7	Figure 4	T.P.9808 (3-A) T.P.9816 (5-B)	Adjust VR9737 until the black level matches the wave-form kept as shown at right. 
8	Figure 4	T.P.9808 (3-A) T.P.9816 (5-B)	Adjust VR9729 until the white level matches the wave-form kept as shown at right. 
9	Figure 4	T.P.9808 (3-A) T.P.9816 (5-B)	①Switch the video source to AUX1 (SMPTE-COLOR). ②Set the screen mode to MODE3. (Pressing the NAVI. switch continuously changes the MODE1 → MODE2 → MODE3 → MODE4 in this order.) ③Check to see flicker noises with your eyes, and if exists, make the fine adjustment with VR9765.

- After completion of the adjustmant, disconnect the BATT / ACC power supply.

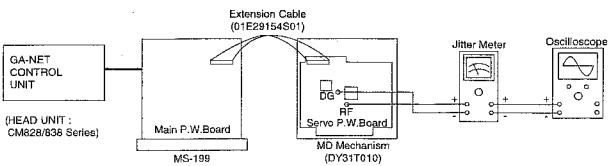
NOTE : For the Test Points and Ajustment parts, refer to the Parts Layout on P.W.Boards and Wiring Diagram.

MD Mechanism Adjustment Procedures

· Always perform the adjustments when parts (Pick-up, P.W.Board, etc.) of MD Mechanism (DY31T010) are replaced.

NOTE: Remove the MD Mechanism (DY31T010) from IVA-M700R and connect the mechanism to the GA-NET system. Adjust the MD Mechanism and memorizes the data to the MD microcomputer. (Disconnect the MD Mechanism used in the GA-NET system and connect the mechanism to Monitor Unit.)

1. Connection method

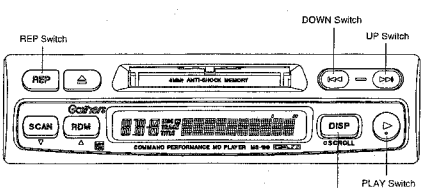


NOTE: For details of the adjustment points (RF, DG), refer to "Parts Layout on P.W.Boards and Wiring Diagram (8/8)".

2. Setting positions of switches, etc.
   · GA-NET CONTROL UNIT : POWER OFF

3. Test MD used
   · TEAC: MMD-212

4. Positions of switches used in the adjustment



NOTE: Perform the adjustments with switches on MS-199 side.

5. Adjustment method

・Perform the preliminary automatic adjustment, ATT automatic adjustment, and F-BAL adjustment in the order shown below.

-1. Test mode start method

	Procedure, method	Contents displayed (MS-199)
①	Under condition with steps 1, 2 completed, press both of DISP and REP at the same time for more than 2 seconds.	No display → Ver. Display → PW OFF
②	Press REP.	TEST
③	Insert Test MD.	TEST

-2. Preliminary automatic adjustments

	Procedure, method	Contents displayed (MS-199)
①	Press UP with test MD inserted.	TEST → AUTO 1
②	Press PLAY.	AT1 00 ~ AT1 19 NOTE: 00~19 stand for adjustment numbers. For the contents refer to below.
③	Preliminary auto adjustment completed normally.	ADJ. OK
	Preliminary auto adjustment completed abnormally.	ADJ. NG (Refer to AT1XX before displaying "ADJ NG". Perform recheck and the adjustments.)

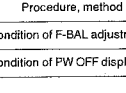
00 : Motion to inside most peripheral
02 : ABEF offset temporary measurement
04 : RF side focus gain coarse adjustment
05 : Focus ATT temporary setting
06 : RF side pit section tracking gain adjustment
07 : COUT level setting for pit section adjustment
08 : Motion to outside peripheral
09 : RF side group section tracking gain adjustment
10 : COUT level setting for group section adjustment
11 : RF side TCRS gain adjustment
12 : Tracking ATT initial setting
13 : RF side focus gain fine adjustment
14 : Focus ATT initials setting
15 : S gain "High" ABEF offset measurement
16 : TCRS offset setting
17 : S gain "Low" ABEF offset measurement
19 : E^2P-ROM write process

-3. ATT automatic adjustment

	Procedure, method	Contents displayed (MS-199)
①	Press PLAY under condition of preliminary automatic adjustment completed.	ADJ. OK → AT2 00 - AT2 09 NOTE: 00-09 stand for adjustment number. For the contents, refer to next page.
②	ATT automatic adjustment completed normally.	ADJ. OK
	ATT automatic adjustment completed abnormally.	ADJ. NG (Refer to AT2XX before displaying "ADJ NG". Perform recheck and the adjustment.)

00 : Motion to inside most peripheral
03 : Pit section tracking ATT setting
04 : Pit section focus ATT setting
06 : Motion to outside [low reflection only]
07 : TCRS ATT setting [low reflection only]
08 : Group section tracking ATT setting [low reflection only]
09 : Group section focus ATT setting [low reflection only]

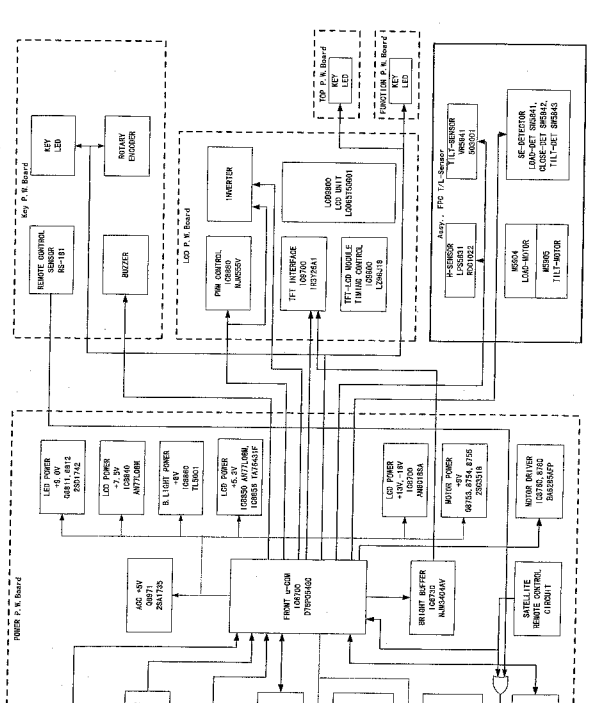
-4. F-BAL adjustment

	Procedure, method	Contents displayed (MS-199)
①	Press UP under condition of ATT automatic adjustment completion. (At that time, address display "APXXXXXX" is displayed continuously.)	ADJ. OK → F-BAL SEL → "APXXXXXX" (displayed continuously)
②	Perform fine adjustment by pressing UP and DOWN so that Jitter meter shows minimum and amplitude of RF waveform on the scope shows maximum. RF Waveform  	STEP Display : ex "0", "-2" etc. UP : Max. +14 (7Steps) DOWN : Max. -16 (8Steps)
③	After completion of the adjustment, write the data on E²P-ROM by pressing PLAY while STEP is being displayed. (After writing the data, "APXXXXXX" is displayed.)	STEP Display : ex "-2" → Writing → "APXXXXXX"

-5. Preliminary automatic adjustment (perform again)

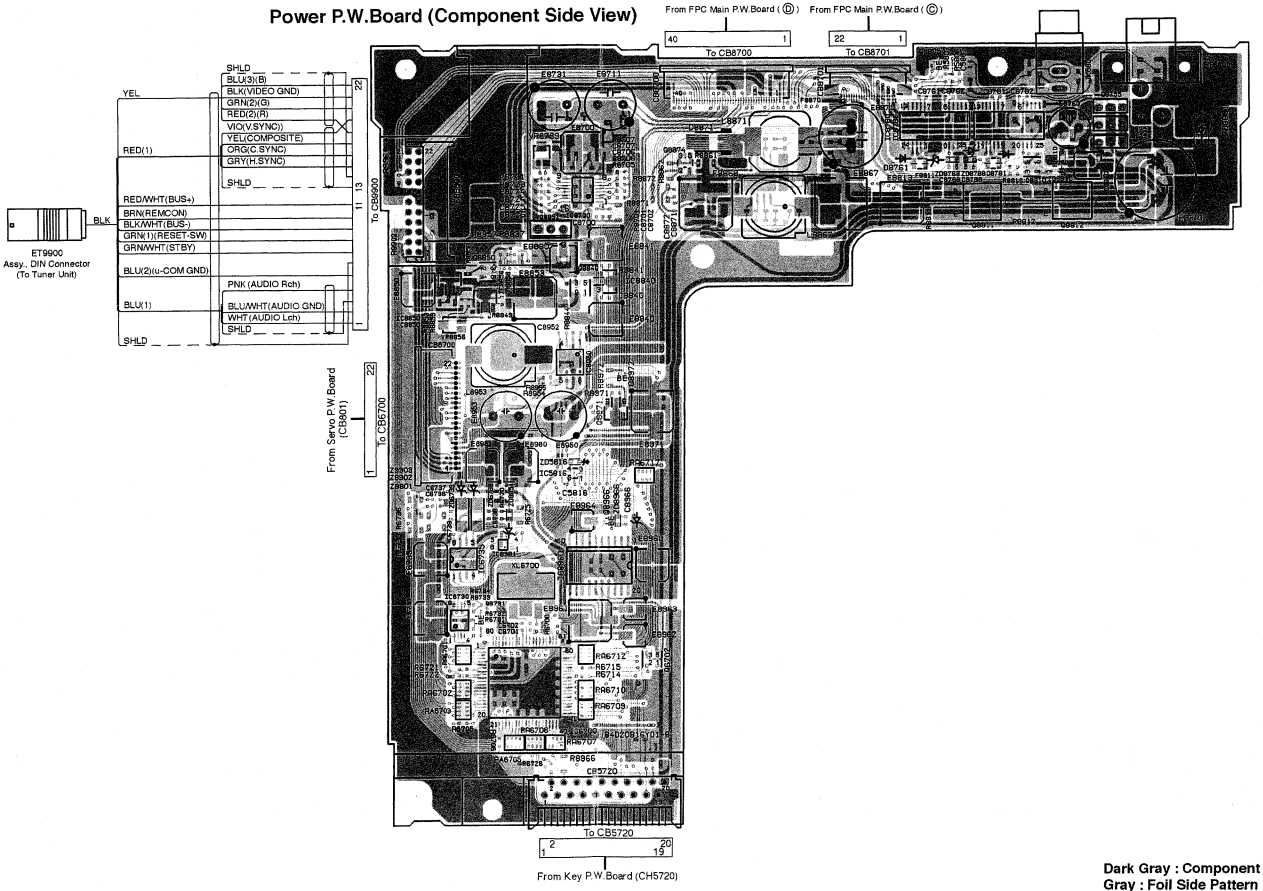
	Procedure, method	Contents displayed (MS-199)
①	Press REP under condition of F-BAL adjustment completed.	"APXXXXXX" → PW OFF
②	Press REP under condition of PW OFF displayed.	PW OFF → TEST
③	Press UP.	TEST → AUTO1
④	Press PLAY.	AUTO1 → AT1 00-AT1 19
⑤	Preliminary automatic adjustment completion.	ADJ. OK
⑥	Press REP.	ADJ. OK → PW OFF
⑦	Eject test MD by pressing ⏏.	

Block Diagram



Parts Layout on P.W.Boards and Wiring Diagram (1/8)

Power P.W.Board (Component Side View)



Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (2/8)

1

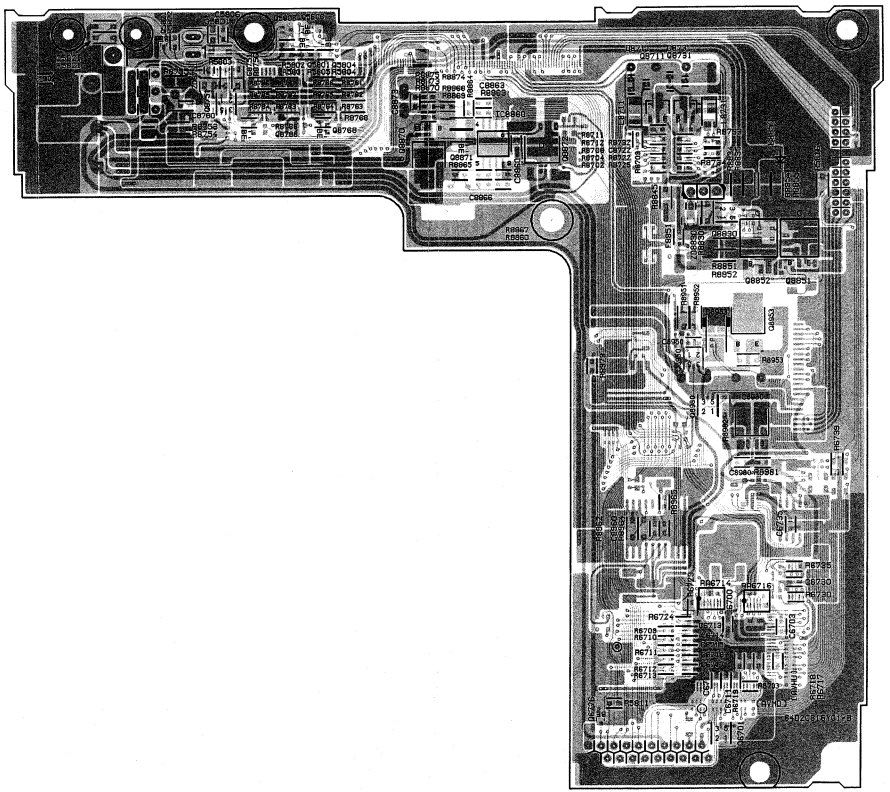
2

3

4

5

Power P.W.Board (Foil Side View)



Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (3/8)

1

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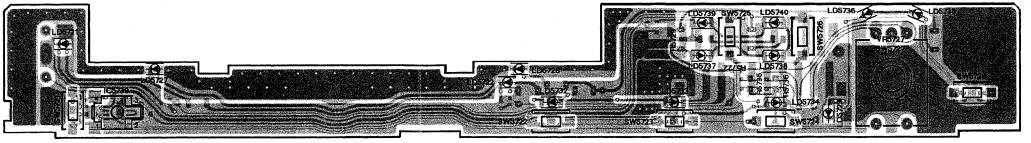
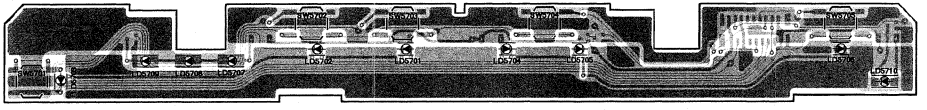
4

5

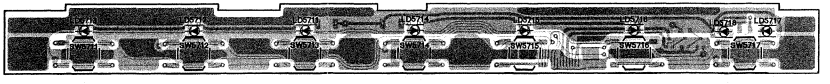
Key P.W.Board (Component Side View)



Top P.W.Board (Component Side View)



Function P.W.Board (Component Side View)



Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (4/8)

1

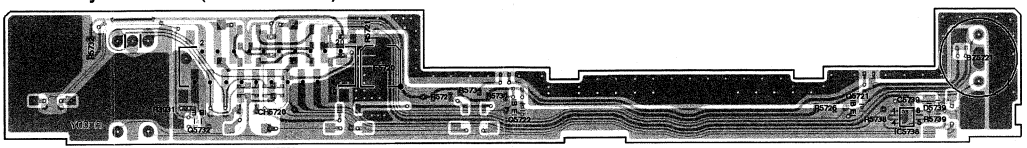
2

3

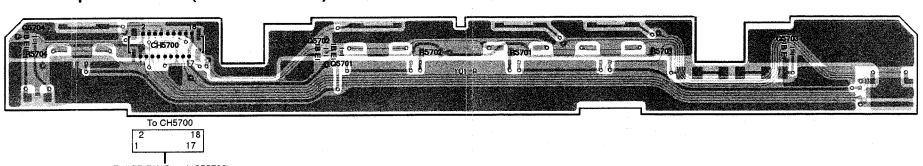
4

5

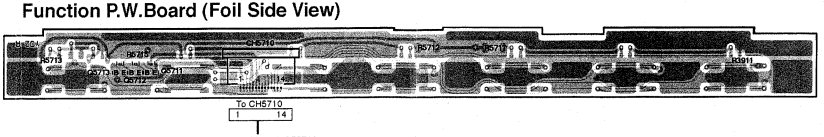
Key P.W.Board (Foil Side View)



Top P.W.Board (Foil Side View)



Function P.W.Board (Foil Side View)

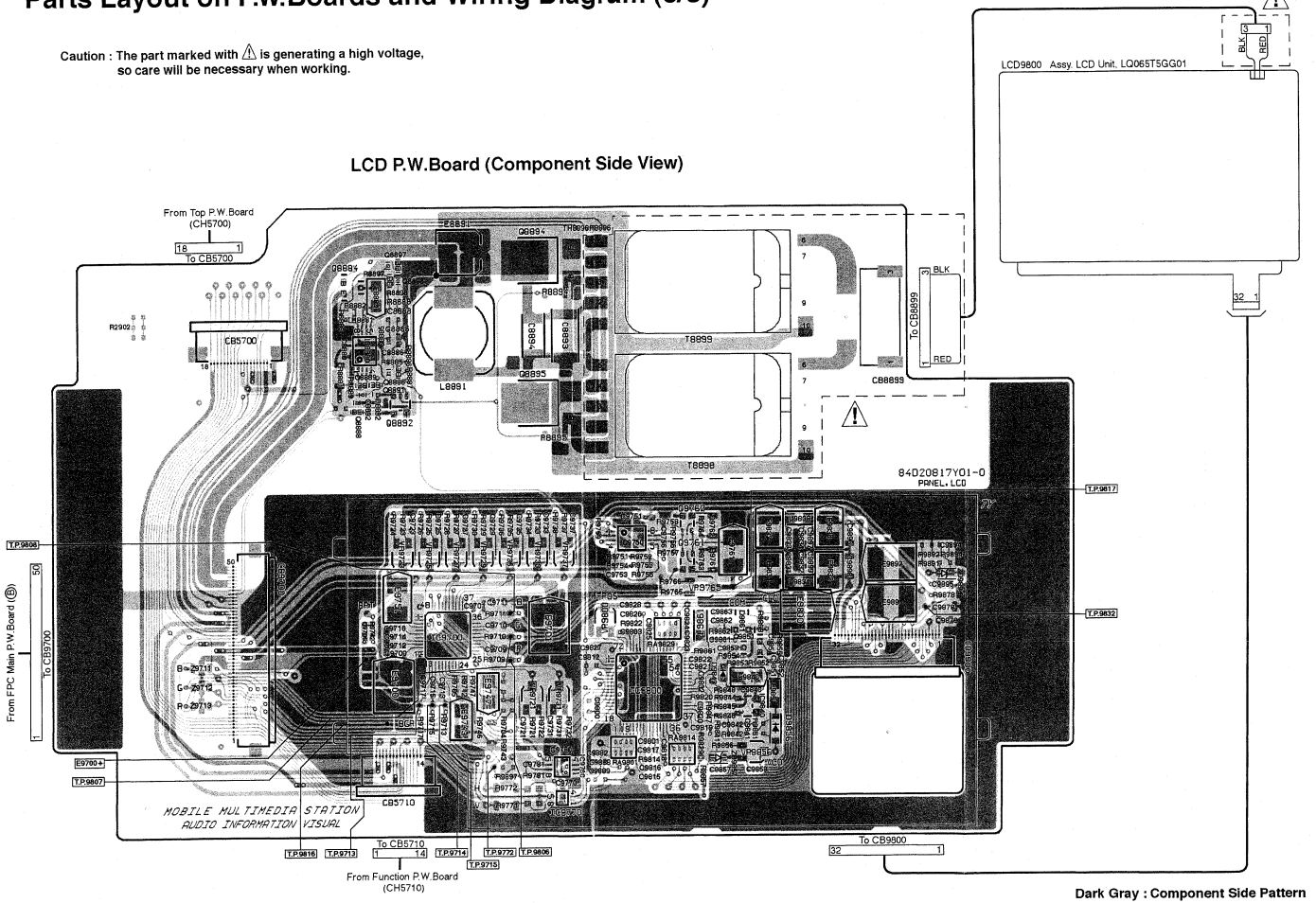


Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (5/8)

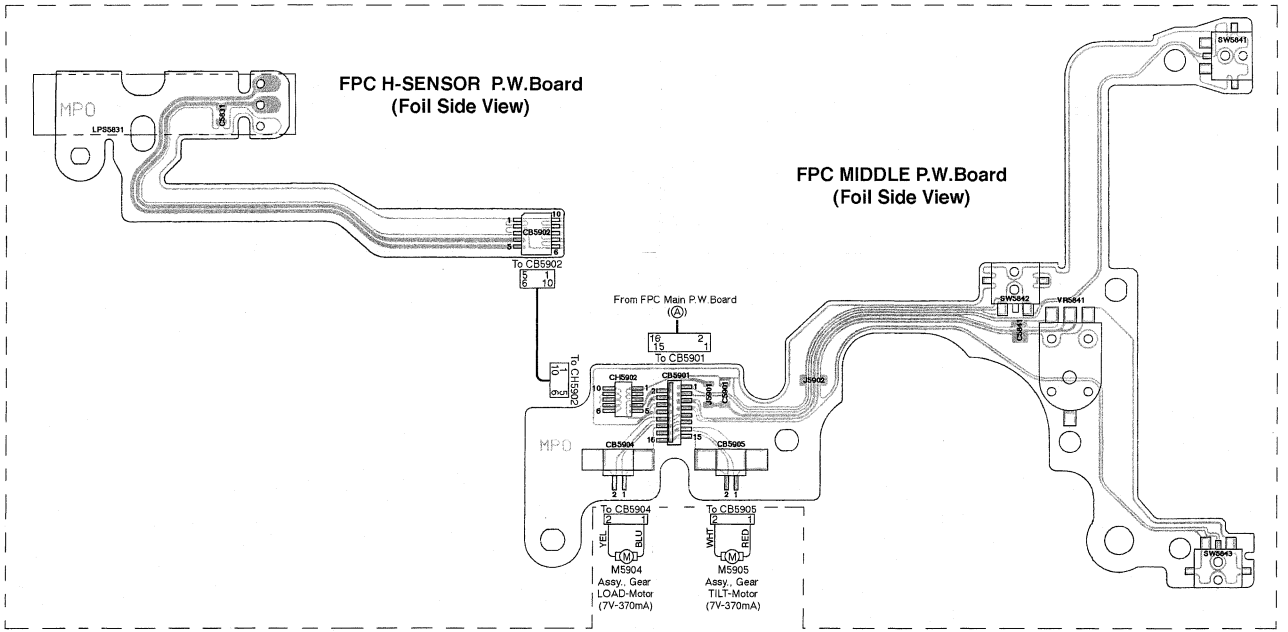
Caution : The part marked with ⚠ is generating a high voltage, so care will be necessary when working.

LCD P.W.Board (Component Side View)



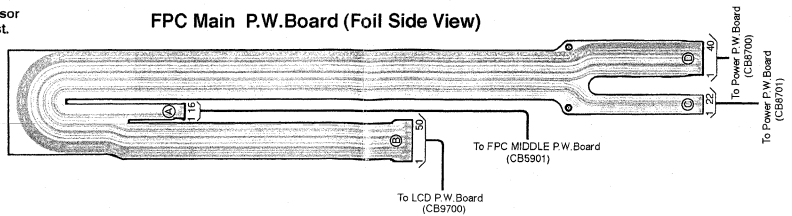
Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (6/8)



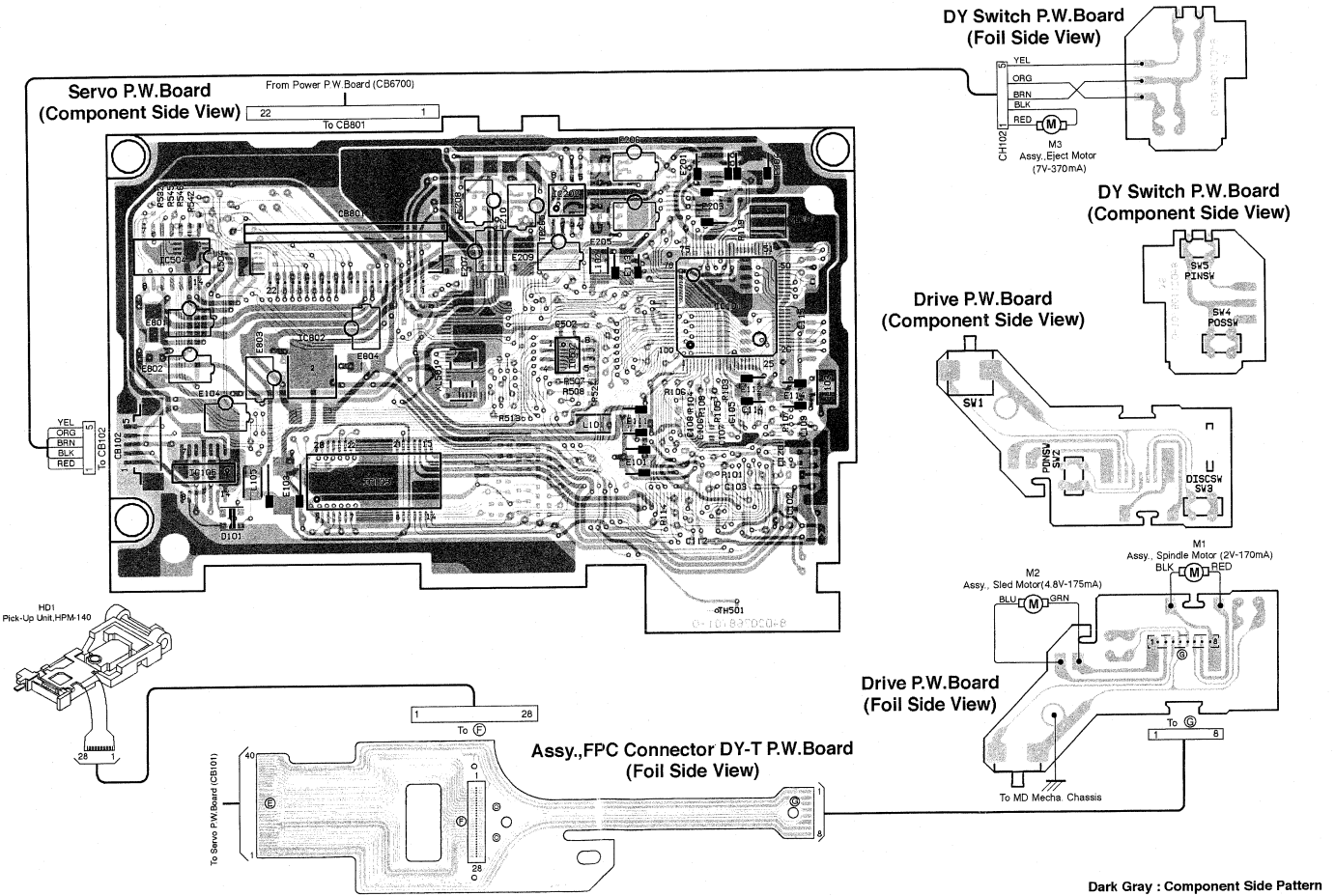
Assy., FPC T/L-Sensor

NOTE : Parts mounted inside of Assy., FPC T/L-Sensor are not described on the Electrical Parts List.



Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (7/8)



Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (8/8)

1

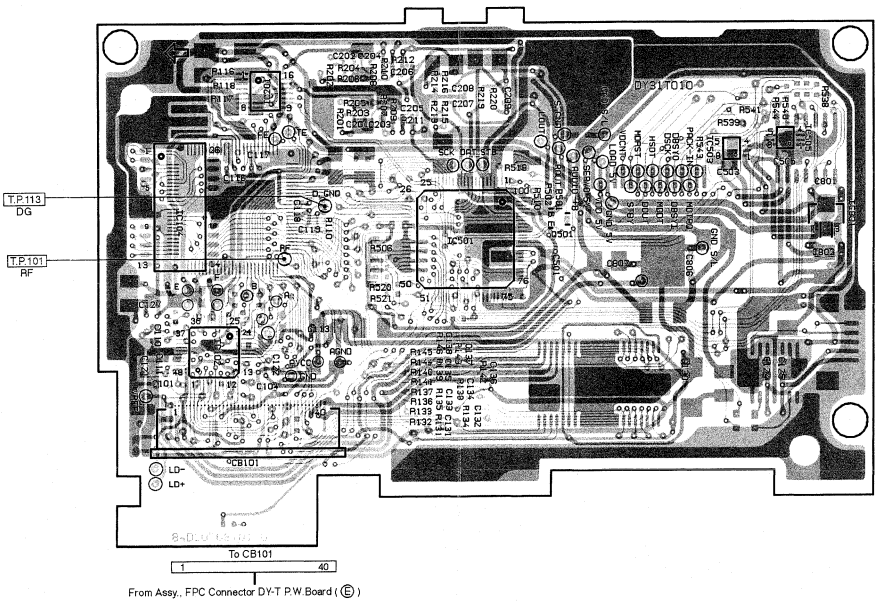
2

3

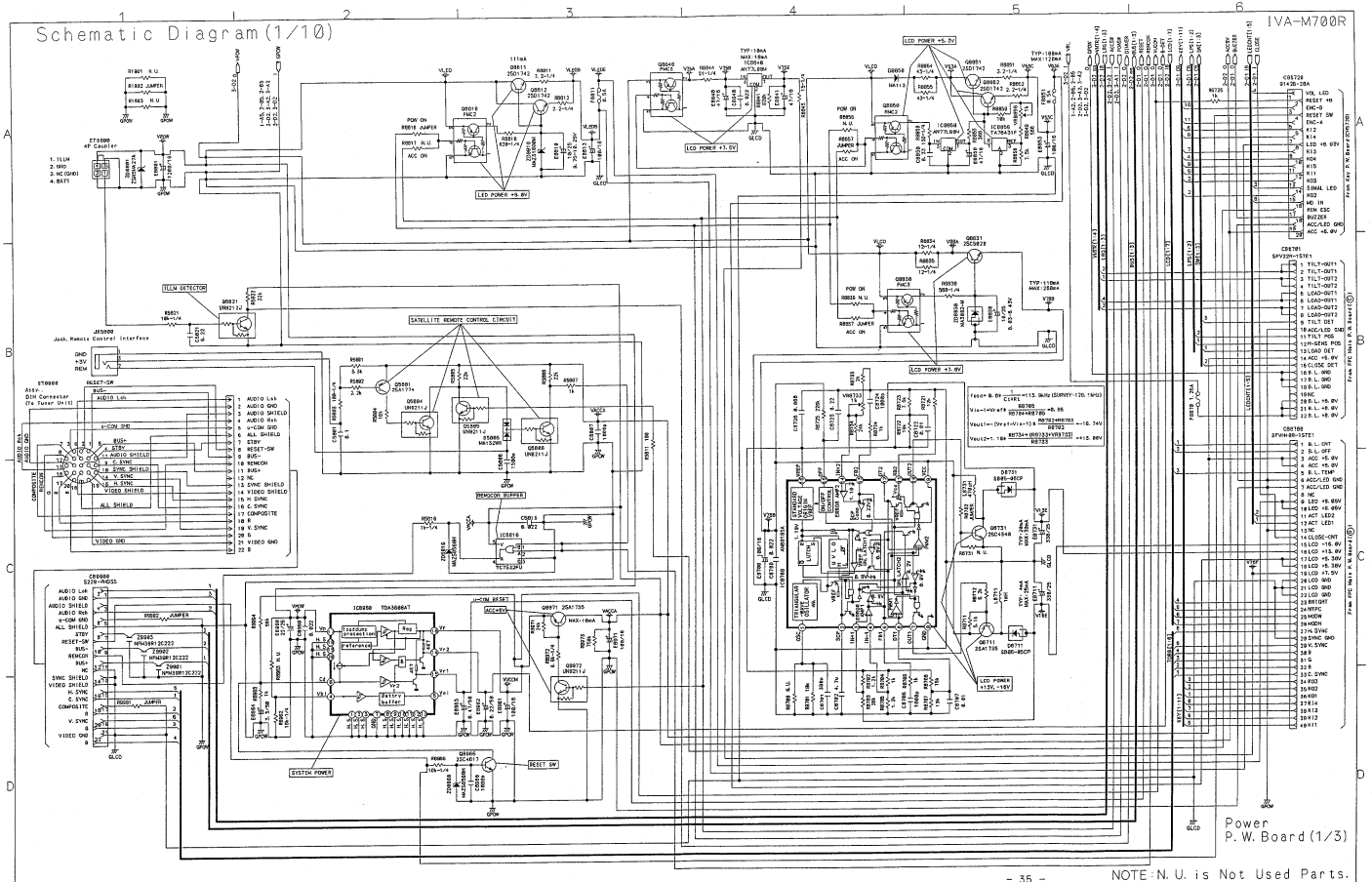
4

5

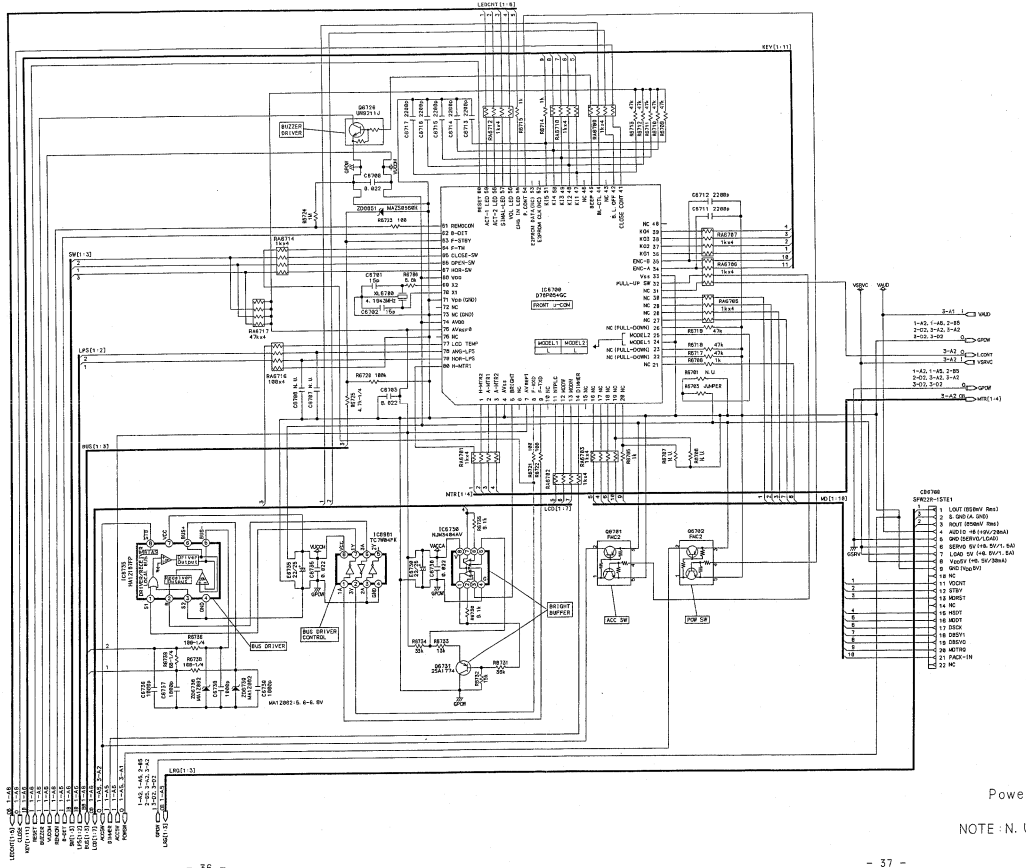
Servo P.W.Board (Foil Side View)



Dark Gray : Component Side Pattern
Gray : Foil Side Pattern


Schematic Diagram (1/10)
IVA-M700R
Power
P.W. Board (1/3)
NOTE: N.U. is Not Used Parts.
- 34 -
- 35 -

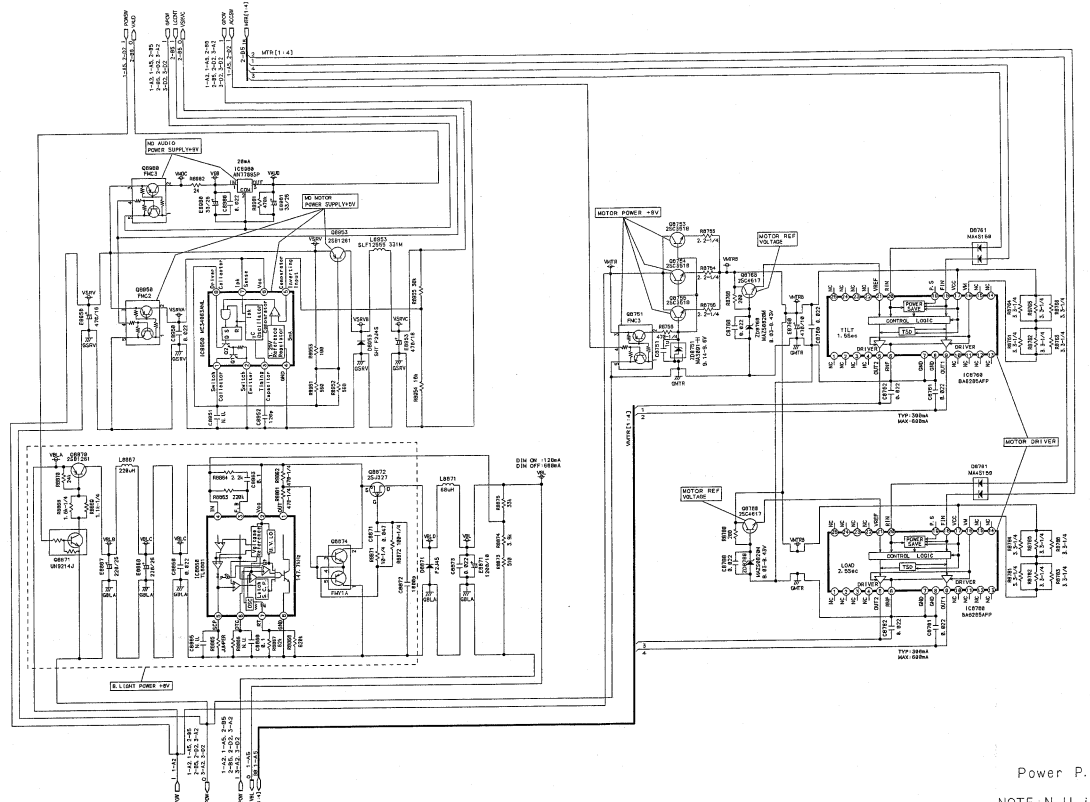
Schematic Diagram (2/10)



Power P. W. Board (2/3)

NOTE : N. U. is Not Used Parts.

Schematic Diagram (3/10)

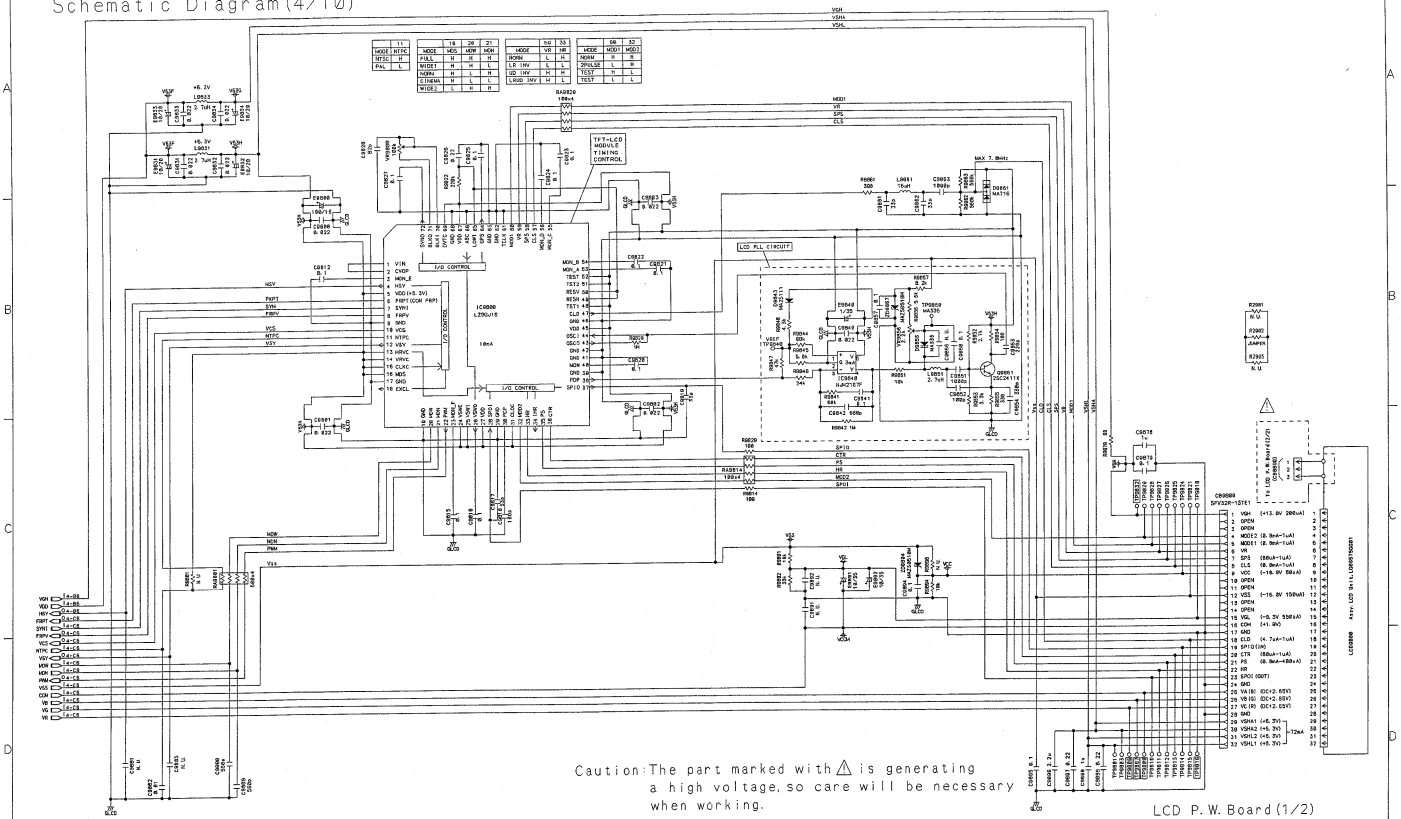


Power P.W. Board (3/3)

NOTE: N.U. is Not Used Parts.

IVA-M700R

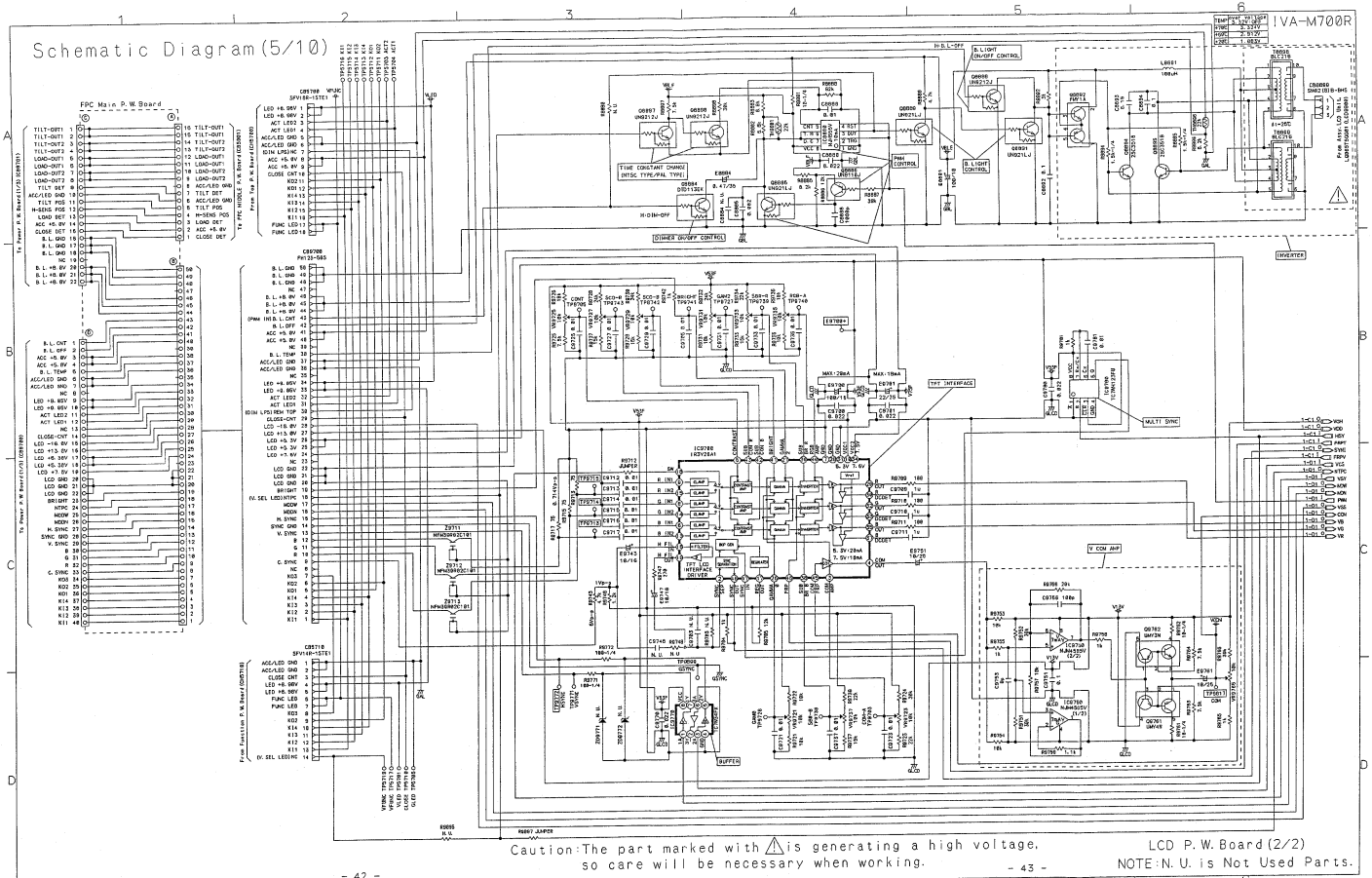
Schematic Diagram(4/10)


I/O CONTROL
LCD PLL CIRCUIT
TFT-LCD MODULE TIMING CONTROL
Caution:The part marked with ⚠ is generating a high voltage,so care will be necessary when working.

LCD P.W. Board(1/2)

NOTE:N.U. is Not Used Parts.

Schematic Diagram (5/10)

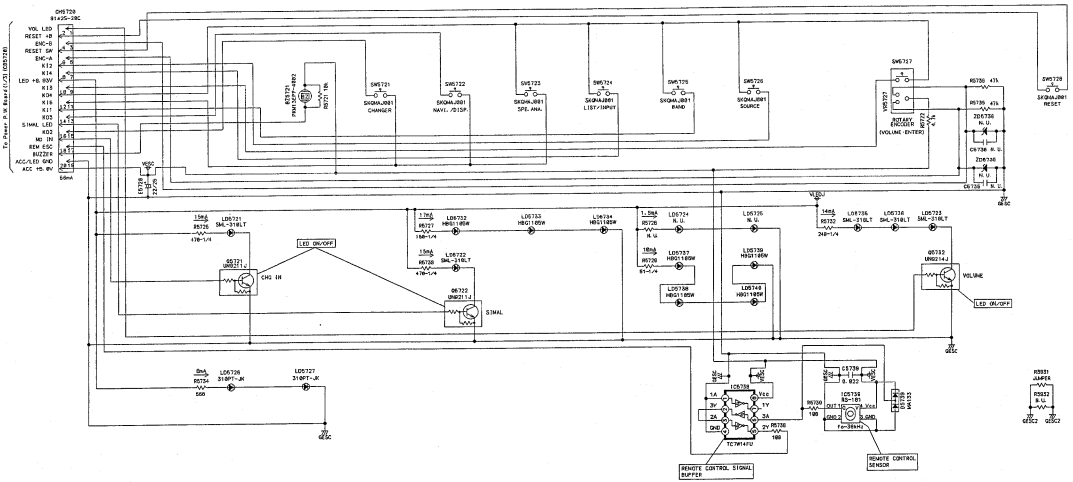


Caution: The part marked with ⚠ is generating a high voltage, so care will be necessary when working.

LCD P. W. Board (2/2)

NOTE: N. U. is Not Used Parts.

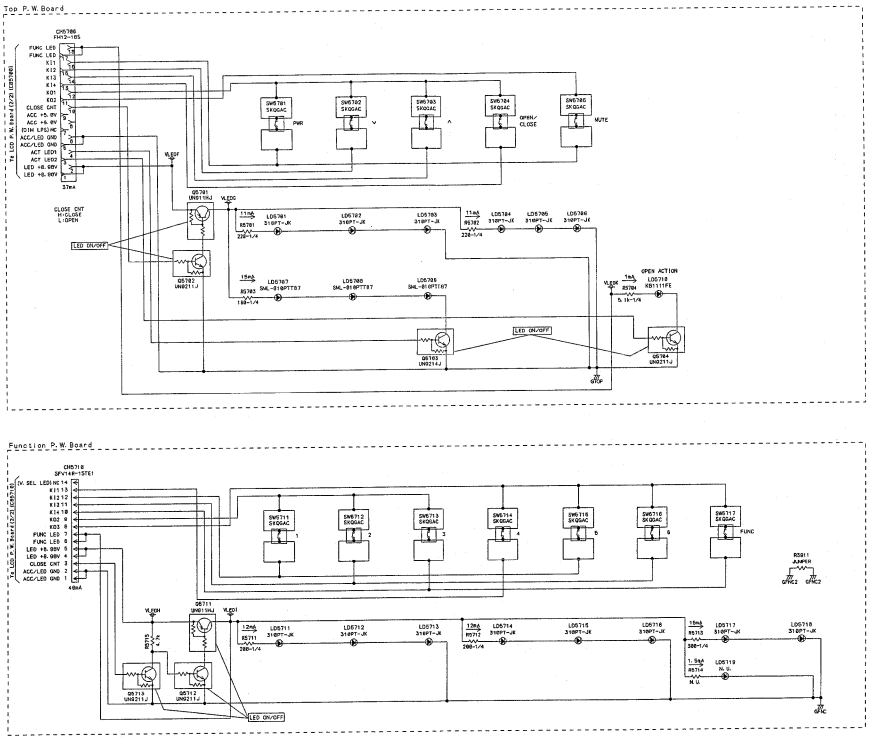
Schematic Diagram(6/10)



Key P. W. Board

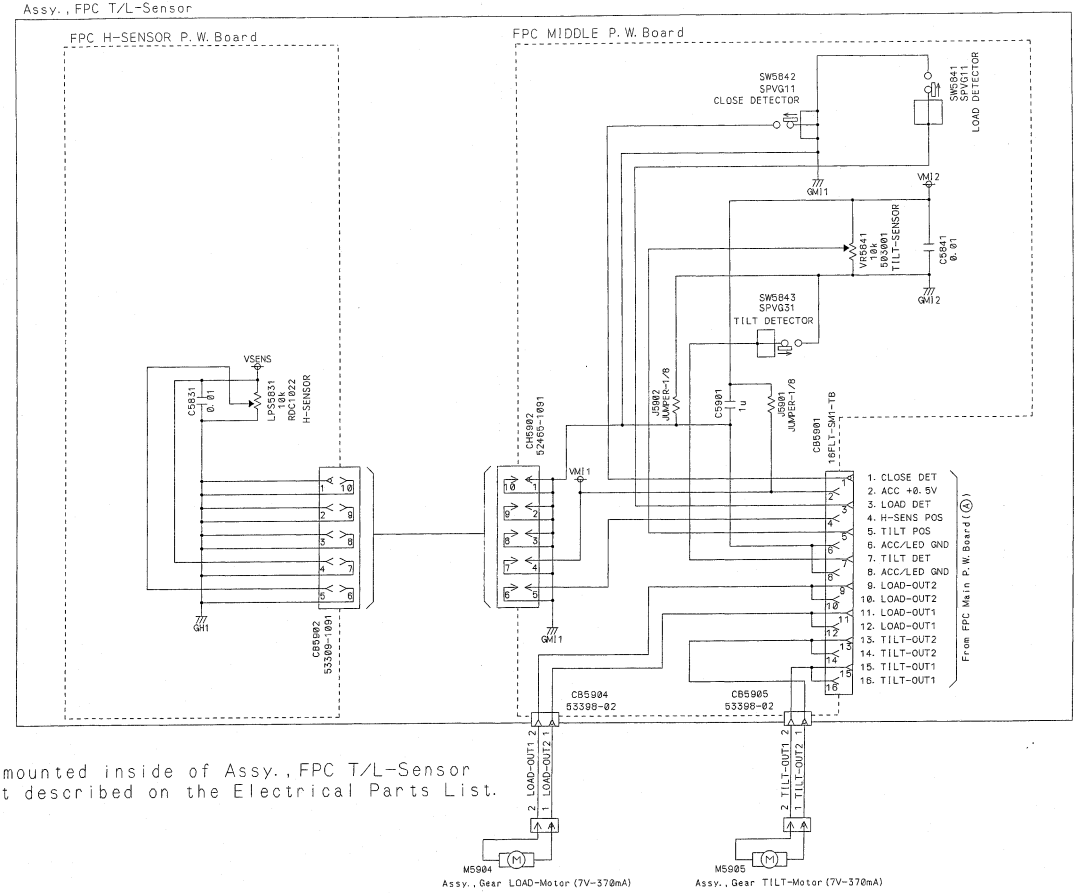
NOTE : N. U. is Not Used Parts.

Schematic Diagram(7/10)



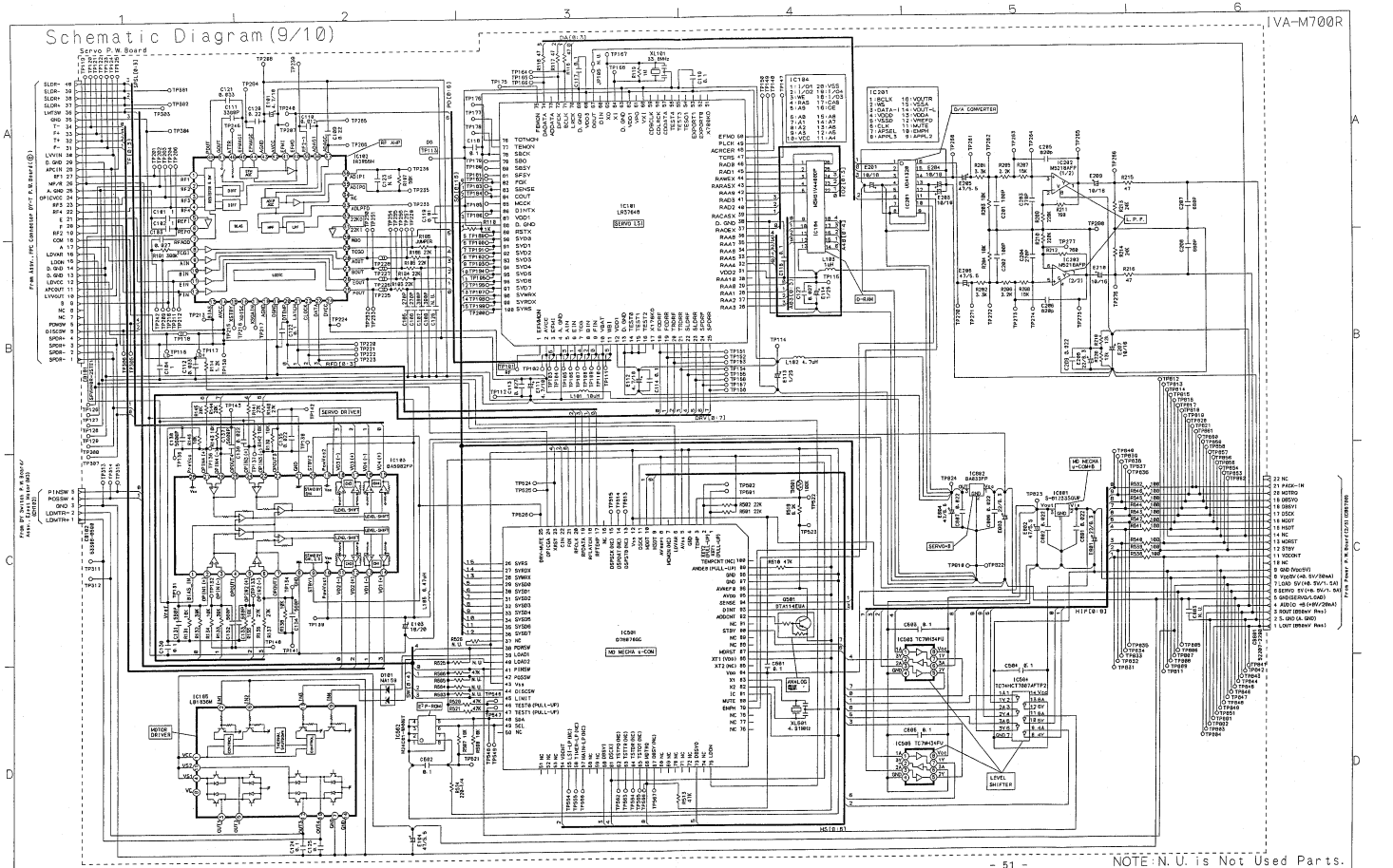
IVA-M700R

Schematic Diagram(8/10)

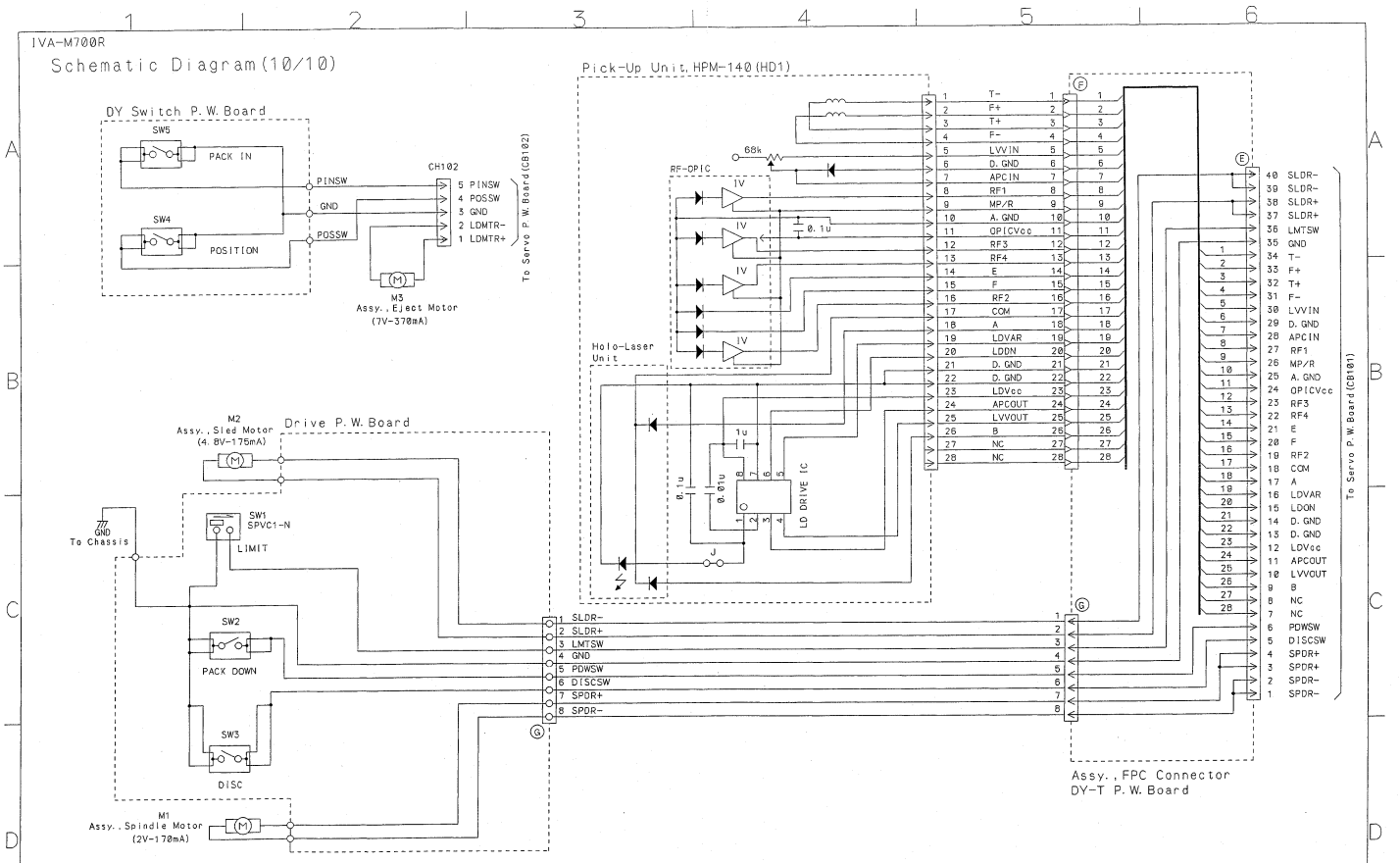


NOTE: Parts mounted inside of Assy., FPC T/L-Sensor are not described on the Electrical Parts List.

Schematic Diagram (9/10)



Schematic Diagram (10/10)



Terminal Voltage of IC/TR

IC5738

1–4	0V
5–8	5V

IC5739

1	5V
2, 3	0V
4	5V

IC5816

1, 2	4.9V
3	0V
4, 5	5V

IC6700

1–4	0V	54	5V
5	1.6V	55	0V
6, 7	0V	56	5V
8, 9	5V	57	0V
10	0V	58	5V
11–14	5V	59	0V
15, 16	0V	60	5V
17, 18	5V	61	4.9V
19–24	0V	62	0V
25	5V	63	4.6V
26, 27	0V	64–66	5V
28, 29	5V	69, 70	PS
30, 31	0V	71	0V
32	5V	72	5V
33–35	0V	73	0V
36–39	High Impedance Noise	74, 75	5V
40–43	0V	76	0V
44	4.9V	77	2.5V
45, 46	0V	78	depend on Angle Position
47–51	5V	79	depend on Horizontal Position
52, 53	0V	80	0V

IC6730

1–3	1.6V
4	0V
5–7	2.1V
8	5V

IC6735

1–4	0V
5, 6	2.5V
7, 8	5V

IC8700

1	PS	10	PS
2	0V	11	0.6V
3, 4	0.6V	12	0.4V
5	0.4V	13	0.6V
6	0.6V	14	1.2V
7	delta wave	15	1.7V
8	0V	16	1.2V
9	7.9V		

IC8760, 8780

1–15	0V
16, 17	9V
18–20	0V
21	8V
22–25	0V

IC8840

1	7.9V
2	0V
3	depend on BATT voltage

IC8850

1	7.8V
2	0V
3	depend on BATT voltage

IC8856

1	6.1V
2	0V
3	2.5V

IC8860

1	PS
2	depend on BATT voltage
3	1.1V
4	1V
5	0V
6	2.5V
7	1V
8	0V

IC8880

1	0.2V
2	5.3V
3	6.6V
4, 5	5.3V
6, 7	delta wave
8	8V

IC8950

1	PS
2	0V
3	PS
4	0V
5	1.3V
6, 7	depend on BATT voltage
8	PS

IC8960

1–5	0V
6	2.7V
7–13	0V
14	5V
15	0V
16	5V
17	depend on BATT voltage
18–20	0V

IC8980

1	depend on BATT voltage
2	0V
3	5V

IC8981

1, 2	5V
3, 4	0V
5	5V
6, 7	0V
8	5V

IC9700

1	0V	29	video signal
2, 3	2.4V	30	3.1V
4	PS	31	0V
5	1.8V	32	video signal
6	2.1V	33	0V
7	0V	34	7.5V
8, 9	2.1V	35	video signal
10	5.3V	36	0V
11, 12	0V	37	3.1V
13–15	video signal	38	2.3V
16	2.1V	39, 40	2.2V
17	1.3V	41	2.1V
18	0V	42	2.2V
19	4.3V	43	2.1V
20–25	0V	44	0V
26	2.6V	45–47	PS
27	2.4V	48	0.2V
28	0V		

IC9750

1–3	8.5V
4	0V
5–7	PS
8	13V

IC9770

1	5.3V
2	0V
3	PS
4	0V
5	PS
6	0V
7, 8	5.3V

IC9780

1, 2	0V
3	5.3V
4	0V
5	PS
6	0V
7	data wave
8	5.3V

IC9800

1, 2	PS	26	0V	48, 49	5.3V
3	0V	27	5.3V	50	0V
4	PS	28, 29	0V	51, 52	5.3V
5	5.3V	30	PS	53–56	0V
6	PS	31–33	5.3V	57, 58	PS
7	0.2V	34	0V	59, 60	5.3V
8	PS	35	5.3V	61–64	0V
9, 10	0V	36, 37	PS	65	5.3V
11	4.8V	38	2.7V	66	0V
12–16	5.3V	39–42	0V	67	5.3V
17–19	0V	43, 44	PS	68	0V
20	5V	45	5.3V	69	5.3V
21–23	0V	46	0V	70, 71	PS
24, 25	5.3V	47	PS	72	0V

IC9840

1	2.7V
2	0V
3, 4	2.7V
5	5.3V

	G	D	S
Q8872	PS	PS	depend on BATT voltage

	E	C	B
Q5701	9V	0V	9V
Q5702	0V	9V	0V
Q5703	0V	0V	4.5V
Q3704	0V	0V	4.6V
Q5711	9V	9V	0V
Q5712	0V	0V	6.8V
Q5713	0V	6.8V	0V
Q5721	0V	8V	0V
Q5722	0V	8V	0V
Q5732	0V	0V	4.6V
Q5731	1V	0V	0.5V
Q6711	7.8V	PS	delta wave
Q6731	0V	PS	PS
Q6753	9V	depend on BATT voltage	9.6V
Q6754	8V	depend on BATT voltage	9.6V
Q6755	9V	depend on BATT voltage	9.6V
Q6768	8V	9V	8.4V
Q6788	8V	9V	8.4V
Q6811	9.6V	depend on BATT voltage	10.4V
Q6812	9.6V	depend on BATT voltage	10.4V
Q6831	8V	depend on BATT voltage	8.4V
Q6851	5.6V	depend on BATT voltage	6.1V
Q6852	5.6V	depend on BATT voltage	6.1V
Q6870		depend on BATT voltage	
Q6884	0.2V	PS	PS
Q6885	0.2V	PS	PS
Q6939	depend on BATT voltage	PS	PS
Q6968	0V	2.8V	0V
Q6971	5V	5V	4.4V
Q6981	PS	PS	PS

[Measuring Conditions]

- Power Supply Voltage : DC11~16V allowable
- Measuring Meter : Digital Multi Meter
- Measuring Point Reference : Between GND
- Measuring Condition : at POWER ON
  (connect Tuner Unit)

<MD Deck P.W.Board>

IC101

1	RF	30	NC	69	0V
2	3.3V	31	3.3V	70~72	PS
3	RF	32~37	PS	73	NC
4	0V	38	0V	74	PS
5, 6	1.8V	39~46	PS	75~77	NC
7	1.6V	47~59	NC	78	3.3V
8	1.3V	60	0V	79~81	NC
9	1.8V	61	NC	82	0V
10	0V	62	3.3V	83, 84	PS
11	PS	63	0V	85	NC
12	3.3V	64, 65	OSC	86	PS
13~16	0V	66	NC	87	3.3V
17	NC	67	0V	88	0V
18~29	PS	68	3.3V	89~100	PS

IC102

1~4	0.8V	33, 34	NC
5, 6	1.6V	35	PS
7	0.8V	36	1.6V
8~12	1.6V	37	0.8V
13, 14	3.3V	38, 39	1.6V
15~17	NC	40	RF
18~20	0V	41	NC
21	3.3V	42	3.3V
22, 23	0V	43	0V
24	3.3V	44	1V
25, 26	1.8V	45	1.6V
27, 28	1.2V	46	NC
29	1.6V	47	1.6V
30~32	PS	48	0V

IC103

1	1.6V	19	5V
2, 3	1.3V	20	3.3V
4	1.6V	21	0V
5, 6	1.3V	22	1.6V
7	1.6V	23, 24	1.3V
8	0V	25	1.6V
9	3.3V	26, 27	1.3V
10	5V	28	5V
11~18	2.4V		

IC104

1~5	PS
9~12	PS
13	3.3V
14~18	PS
22~25	PS
26	0V

IC105

1	5V
2	0V
3	NC
4	5V
5	NC
6, 7	0V
8	NC
9, 10	0V
11	5V
12~14	0V

IC201

1~3	PS
4	3.3V
5	0V
6	PS
7~9	3.3V
10, 11	0V
12	1.6V
13	3.3V
14	SIG
15	0V
16	SIG

IC202

1~3	4.3V	+SIG
4	0V	
5~7	4.3V	+SIG
8	0V	

IC501

1, 2	3.3V	26~36	PS	75	3.3V
3	2.9V	37	NC	76~78	NC
4, 5	0V	38~40	0V	79~81	0V
6	1.5V	41, 42	3.3V	82, 83	OSC
7	NC	43	0V	84	3.3V
8	3.3V	44	0V / 3.3V	85	NC
9~11	0V / PS	45~48	3.3V	86, 87	3.3V
12	0V	50~53	NC	88, 89	NC
13~16	NC	54	3.3V	90	3.3V
17	1.5V	55~59	NC	91	NC
18	3.3V	60, 61	PS	92	0V
19~21	0V	62~65	NC	93, 94	PS
22	PS	66	PS	95, 96	3.3V
23	3.3V	67~72	NC	97, 98	0V
24	0V / 3.3V	73	0V	99	3.3V
25	3.3V	74	NC	100	NC

IC502

1~4	0V
5, 6	3.3V
7	0V
8	3.3V

IC503

1, 2	PS
3	5V
4	0V
5	3.3V
6, 7	PS
8	3.3V

IC504

1~6	PS
7	0V
8	5V
9	3.3V
10	5V
11	3.3V
12	NC
13	0V
14	5V

IC505

1	5V
2	NC
3	PS
4	0V
5	PS
6	0V
7, 8	3.3V

IC801

1	0V
2	5V
3	3.3V

IC802

1	5V
2	0V
3	3.3V

Q501

E	3.3V
C	3.3V
B	0V

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between GND
- Measuring Conditions : Playing Test MD • MMD-212 (TEAC)

Description of IC Terminal

D78P054GF : IC6700

No.	Symbol	I/O	Terminal Description
1	H-MTR2	O	Motor control terminal for movement to horizontal direction of monitor.
2	A-MTR1	O	Motor control terminal for changing angle of monitor.
3	A-MTR2		
4	AV_{SS}	—	GND terminal for A/D converter.
5	BRIGHT	O	BRIGHT adjustment output terminal.
6	NC	—	No connect terminal.
7	$AV_{REF}1$	—	Reference voltage input terminal of A/D converter.
8	F-RXD	I	Command input terminal from visual μ -com.
9	F-TXD	O	Status output terminal to visual μ -com.
10	NC	—	No connect terminal.
11	NTPLC	O	NTSC/PAL switching signal output terminal. NTSC : H
12	MODW	O	LCD module control output terminal.
13	MODN		
14	DIMMER	I	DIMMER input terminal.
15 to 21	NC	—	No connect terminal.
22	NC (PULL-DOWN)	—	No connect terminal. (PULL-DOWN connect)
23			
24	MODEL1	I	Model set up terminal.
25	MODEL2		
26	NC (PULL-DOWN)	—	No connect terminal. (PULL-DOWN connect)
27 to 31	NC	—	No connect terminal.
32	PULL-UP SW	O	Power supply control terminal for resistor of PULL-UP. (ACC ON (F-STBY) : H)
33	V_{SS}	—	GND connect terminal of μ -com.
34	ENC-A	I	Rotary Encoder input terminal.
35	ENC-B		
36	KO1	O	Key scan signal output terminal.
37	KO2		
38	KO3		
39	KO4		
40	NC	—	No connect terminal.
41	CLOSE CONT	O	Lighting OFF control terminal at monitor closed.
42	B.L.OFF	O	Power supply control terminal of CFL back lighting.
43	NC	—	No connect terminal.
44	BL-CTL	O	DIMMER control terminal of CFL back lighting.
45	BEEP	O	BEEP output terminal.
46	NC	—	No connect terminal.

No.	Symbol	I/O	Terminal Description
47	KI1	I	Key scan input terminal. (PULL-UP connect)
48	KI2		
49	KI3		
50	KI4		
51	KI5		
52	E2PROM CLK (NC)	—	No connect terminal.
53	E2PROM DATA (NC)		
54	P.CONT	O	Power supply control terminal.
55	CHG IN LED	O	CHG IN indicator control terminal.
56	VOL LED	O	LED control signal terminal for discrimination display of operation VOLUME or ENTER.
57	SIMAL-LED	O	SIMAL active indicator control terminal.
58	ACT-2 LED	O	Shuttle active indicator control terminal for blue LED.
59	ACT-1 LED	O	Shuttle active indicator control terminal.
60	RESET	I	System reset signal input terminal.
61	REMOCON	I	Remote control signal input terminal.
62	B-DET	I	Compulsion STAND-BY detector signal input terminal.
63	F-STBY	I	STAND-BY signal input terminal from visual μ -com.
64	F-TM	I	Communication timing signal input terminal to visual μ -com.
65	CLOSE-SW	I	Detector input terminal insert of monitor.
66	OPEN-SW	I	Detector input terminal MAX. exhaust of monitor.
67	HOR-SW	I	Detector input terminal horizontal angle of monitor.
68	V_{DD}	—	Power supply connect terminal.
69	X2	—	Crystal connect terminal. (4.19MHz)
70	X1	—	
71	V_{PP} (GND)	—	GND connect terminal.
72	NC	—	No connect terminal.
73	NC (GND)	—	No connect terminal. (GND connect)
74	AV_{DD}	—	Analog power supply terminal of A/D converter.
75	$AV_{REF}0$	—	Reference voltage input terminal of A/D converter.
76	NC	—	No connect terminal.
77	LCD TEMP	I	LCD temperature sensor input terminal .
78	ANG-LPS	I	Detector input terminal Angle of monitor.
79	HOR-LPS	I	Detector input terminal horizontal movement quantity of monitor.
80	H-MTR1	I	Motor control terminal for movement to horizontal direction of monitor.

Electrical Parts List

Capacitor : μ F=microfarads,pF=picofarads

Abbreviations

RES. = Resistor
C. F. = Carbon Film
M. F. = Metal Film
M. O. = Metal OxideFilm
M. P. = Metal Plate
TR. = Transistor
TRANS. = Transformer
CP. = Chip
CAP. = Capacitor
ELY. = Electrolytic
CER = Ceramic
MYL. = Mylar
TAN. = Tantalum
POLY. = Polystyrol
PP. = Polypropylene
PLT. = Polyethylene
PF. = Polyester Film

Symbol No.	Part No.	Description
Power P. W. Board		
IC's		
IC5816	51T25473Y01	TC7S32FU-TE85L -CP
IC6700	51T75015W88	OTP, D78P054GF
IC6730	51T96490F02	NJM4404AV-TE1 -SE2
IC6735	51T9555ZW01	HA12187FP-EL -SE2
IC8700	51T25449Y01	AN8018SA-E1 -SE2
IC8760	51T75628W02	BA6285AFP-Y-E2 -SE9
IC8780	51T75626W02	BA6285AFP-Y-E2 -SE9
IC8840	51T75197W08	AN77L09M-TX -ME2
IC8850	51T75197W08	AN77L09M-TX -ME2
IC8856	51T25579Y01	TA76431F-TE12L -ME2
IC8860	51T75523W01	TL5001 -SE6
IC8950	51T15510W01	IC , MC34063AML -SPD
IC8960	51T95193W01	TDA3606AT -SE9
IC8980	51T25045Y04	AN7709SP-TX -NE5
IC8981	51T25422Y02	TC7W04FK-TE85L -CP
Transistors / FET		
Q5801	48T19657Y01	TR, 2SA1774-TL -CP
Q5804	48T25137Y01	TR, UN9211J-TX -CP
Q5805	48T25137Y01	TR, UN9211J-TX -CP
Q5806	48T25137Y01	TR, UN9211J-TX -CP
Q5821	48T25137Y02	TR, UN9212J-TX -CP
Q6701	48T73888F12	TR , CP. FMC2-99
Q6702	48T73888F12	TR , CP. FMC2-99
Q6726	48T25137Y01	TR, UN9211J-TX -CP
Q6731	48T19657Y01	TR, 2SA1774-TL -CP
Q8711	48T95196W01	TR, 2SA1735-TE12L -E2
Q8731	48T95329W01	TR, 2SC4540-TE12L -E2
Q8751	48T73888F13	TR , CP. FMC3-99
Q8753	48T25692Y01	TR, 2SC3518 -DB
Q8754	48T25692Y01	TR, 2SC3518 -DB
Q8755	48T25692Y01	TR, 2SC3518 -DB
Q8768	48T19656Y01	TR, 2SC4617-TL -CP
Q8780	48T19656Y01	TR, 2SC4617-TL -CP
Q8810	48T73888F12	TR , CP. FMC2-99
Q8811	48T25693Y01	TR, 2SD1742-TX -E9
Q8812	48T25693Y01	TR, 2SD1742-TX -E9
Q8830	48T73888F13	TR , CP. FMC3-99
Q8831	48T25561Y01	TR, 2SC5029-Y -RD
Q8840	48T73888F13	TR , CP. FMC3-99
Q8850	48T73888F12	TR , CP. FMC2-99
Q8851	48T25693Y01	TR, 2SD1742-TX -E9
Q8852	48T25693Y01	TR, 2SD1742-TX -E9
Q8870	48T15511W02	CP. 2SB1261-TE2 -E5
Q8871	48T25137Y04	TR, UN9214J-TX -CP
Q8872	48T75133W01	FET, 2SJ327-Z-E1 -E5
Q8874	48T45230W03	TR, FMY1A-T148 -CP
Q8950	48T73888F12	TR , CP. FMC2-99
Q8953	48T15511W02	CP. 2SB1261-TE2 -E5
Q8956	48T19656Y01	TR, 2SC4617-TL -CP
Q8971	48T96196W01	TR, 2SA1735-TE12L -E2
Q8972	48T25137Y01	TR, UN9211J-TX -CP
Q8980	48T73888F13	TR , CP. FMC3-99
Diodes		
D5806	48T15706Y02	DIO, MA132WK-TX -CP
D8711	48T15702W01	DIO, CP SB05-05CP
D8731	48T15702W01	DIO, CP SB05-05CP
D8761	48T25274Y01	DIO, MA4S159-TX -CP
D8781	48T25274Y01	DIO, MA4S159-TX -CP
D8850	48T25564Y01	DIO, MA113-TX -CP
D8871	48T75066W01	DIO, SHT F2J4S -E5
D8953	48T75066W01	DIO, SHT F2J4S -E5
ZD5816	48T15541Y53	DIO, ZEN MAZS056GH-CP
ZD6738	48T15542Y04	DIO, ZEN MA1ZG62 -E1
ZD6739	48T15542Y04	DIO, ZEN MA1ZG62 -E1
ZD8751	48T84735F24	DIO, ZEN MA3091-H -CP
ZD8768	48T15541Y64	DIO, ZEN MAZS082GM-CP
ZD8788	48T15541Y64	DIO, ZEN MAZS082GM-CP
ZD8801	48T25054Y02	DIO, ZEN ZSH5MA27A-ED
ZD8810	48T15541Y70	DIO, ZEN MAZS100GM-CP
ZD8830	48T84735F20	DIO, ZEN MA3082-M -CP
ZD8851	48T15541Y53	DIO, ZEN MAZS056GH-CP
ZD8966	48T15541Y53	DIO, ZEN MAZS056GH-CP

Symbol No.	Part No.	Description
Coils		
L8711	24T65176W37	IND, NL453232 102J-E2
L8731	24T65176W33	IND, NL453232 471J-E2
L8857	24T25565Y11	IND, SLF12555 221M-EA
L8871	24T25578Y11	IND, D124C 68RM -EA
L8953	24T35196Y11	IND, SLF12555 331M-EA
Fuses		
F8811	65T25627Y11	FUSE, KAB5002501NA-CP
F8851	65T25627Y11	FUSE, KAB5002501NA-CP
F8870	65T25627Y04	FUSE, KAB3202132NA-CP
Filters		
Z9901	91T95452W07	EMI, NFM39R12C222 -CP
Z9902	91T95452W07	EMI, NFM39R12C222 -CP
Z9903	91T95452W07	EMI, NFM39R12C222 -CP
Crystal		
XL6700	91T55371W17	XTL, AT-51 4.1943M-EA
Capacitors		
C5801	08S65128F88	CAP, CER 104K-B1H -CP
C5805	08S45676W63	CAP, CER 152K-B1H -CP
C5807	08S45677W60	CAP, CER 102J-CH1H-CP
C5816	08S45676W80	CAP, CER 223K-B1E -CP
C5821	08T95467W02	CAP, CER 224K-BJ1H-CP
C6700	08S45676W80	CAP, CER 223K-B1E -CP
C6701	08S45677W16	CAP, CER 15RJ-CH1H-CP
C6702	08S45677W16	CAP, CER 15RJ-CH1H-CP
C6703	08S45676W80	CAP, CER 223K-B1E -CP
C6711	08S45676W65	CAP, CER 222K-B1H -CP
C6712	08S45676W65	CAP, CER 222K-B1H -CP
C6713	08S45676W65	CAP, CER 222K-B1H -CP
C6714	08S45676W65	CAP, CER 222K-B1H -CP
C6715	08S45676W65	CAP, CER 222K-B1H -CP
C6716	08S45675W65	CAP, CER 222K-B1H -CP
C6717	08S45675W65	CAP, CER 222K-B1H -CP
C6730	08S45676W80	CAP, CER 223K-B1E -CP
C6735	08S45676W80	CAP, CER 223K-B1E -CP
C6736	08S45677W60	CAP, CER 102J-CH1H-CP
C6737	08S45677W60	CAP, CER 102J-CH1H-CP

Symbol No.	Part No.	Description
C6738	08S45677W60	CAP, CER 102J-CH1H-CP
C6739	08S45677W60	CAP, CER 102J-CH1H-CP
C6700	08S45676W80	CAP, CER 223K-B1E -CP
C8701	08S45677W50	CAP, CER 391J-CH1H-CP
C8702	08781833F08	CAP, CER 473K-B1A -CP
C8706	08S45677W60	CAP, CER 102J-CH1H-CP
C8707	08S45676W73	CAP, CER 103K-B1H -CP
C8722	08S45676W73	CAP, CER 103K-B1H -CP
C8724	08S45677W60	CAP, CER 102J-CH1H-CP
C8725	08S45676W93	CAP, CER 224K-B1A -CP
C8726	08S45676W84	CAP, CER 683K-B1C -CP
C8751	08S50102F48	CAP, CER 105K-B1E -CP
C8760	08S45676W80	CAP, CER 223K-B1E -CP
C8761	08S45676W80	CAP, CER 223K-B1E -CP
C8762	08S45676W80	CAP, CER 223K-B1E -CP
C8768	08S45676W80	CAP, CER 223K-B1E -CP
C8781	08S45676W80	CAP, CER 223K-B1E -CP
C8782	08S45676W80	CAP, CER 223K-B1E -CP
C8788	08S45676W80	CAP, CER 223K-B1E -CP
C8840	08S45676W80	CAP, CER 223K-B1E -CP
C8850	08S60102F42	CAP, CER 334K-B1E -CP
C8860	08S45676W80	CAP, CER 223K-B1E -CP
C8863	08S45676W85	CAP, CER 104K-B1C -CP
C8866	08S45676W85	CAP, CER 104K-B1C -CP
C8871	08S45676W89	CAP, CER 473K-B1E -CP
C8872	08S45677W60	CAP, CER 102J-CH1H-CP
C8873	08S45676W80	CAP, CER 223K-B1E -CP
C8950	08S45676W80	CAP, CER 223K-B1E -CP
C8952	08S45677W38	CAP, CER 121J-CH1H-CP
C8960	08S45676W80	CAP, CER 223K-B1E -CP
C8966	08S45677W60	CAP, CER 102J-CH1H-CP
C8980	08S45676W80	CAP, CER 223K-B1E -CP
E6730	23T25615Y33	CAP, ZT 22R-1E -E6
E6735	23T25615Y33	CAP, ZT 22R-1E -E6
E8700	23T95564W12	CAP, FC 101-1C-E -E6
E8711	23T75498W55	CAP, PJ 331-1E +
E8731	23T75498W55	CAP, PJ 331-1E +
E8750	23T25707Y05	CAP, PJ 471-1A - +
E8801	23T75498W43	CAP, PJ 122-1C +
E8810	23T25615Y32	CAP, ZT 10R-1E -E3
E8813	23T95564W12	CAP, FC 101-1C-E -E6
E8830	23T25615Y32	CAP, ZT 10R-1E -E3
E8840	23T25615Y24	CAP, ZT 47R-1C -E6
E8841	23T25615Y24	CAP, ZT 47R-1C -E6
E8850	23T25615Y24	CAP, ZT 47R-1C -E6
E8853	23T95564W12	CAP, FC 101-1C-E -E6
E8867	23T95564W38	CAP, FC 221-1E-G -EA
E8868	23T95564W38	CAP, FC 221-1E-G -EA
E8871	23T75498W24	CAP, PJ 122-1A +

Symbol No.	Part No.	Description
E8950	23T75486W24	CAP, RZ 471-1C -H5
E8953	23T75486W24	CAP, RZ 471-1C -H5
E8956	23T25615Y33	CAP, ZT 22R-1E -E6
E8961	23T95564W12	CAP, FC 101-1C-E -E6
E8962	23T25615Y52	CAP, ZT 1R2-1H -E2
E8963	23T25615Y54	CAP, ZT 1R47-1H -E2
E8964	23T25615Y57	CAP, ZT 3R3-1H -E2
E8971	23T95564W12	CAP, FC 101-1C-E -E6
E8980	23T25615Y34	CAP, ZT 33R-1E -E6
E8981	23T25615Y34	CAP, ZT 33R-1E -E6
Resistors		
R1902	06S45675W43	RES, RK JUMPER1/10-CP
R5801	06S15593Y61	RES, RK 332F 1/10 -CP
R5802	06S15593Y57	RES, RK 222F 1/10 -CP
R5803	06S70072F29	RES, CP . 101-J-1/4-CP
R5804	06S15593Y73	RES, RK 103F 1/10 -CP
R5805	06S15593Y81	RES, RK 223F 1/10 -CP
R5806	06S15593Y81	RES, RK 223F 1/10 -CP
R5807	06S15593Y49	RES, RK 102F 1/10 -CP
R5811	06S45674W33	RES, RK 101J 1/10 -CP
R5816	06S35063Y25	RES, RK 102F 1/4 -CP
R5821	06S35083Y37	RES, RK 103F 1/4 -CP
R5822	06S15593Y81	RES, RK 223F 1/10 -CP
R6700	06S15593Y69	RES, RK 682F 1/10 -CP
R6703	06S45675W43	RES, RK JUMPER1/10-CP
R6705	06S45674W57	RES, RK 102J 1/10 -CP
R6706	06S45674W57	RES, RK 102J 1/10 -CP
R6709	06S45674W97	RES, RK 473J 1/10 -CP
R6710	06S45674W97	RES, RK 473J 1/10 -CP
R6711	06S45674W97	RES, RK 473J 1/10 -CP
R6712	06S45674W97	RES, RK 473J 1/10 -CP
R6713	06S45674W97	RES, RK 473J 1/10 -CP
R6714	06S45674W57	RES, RK 102J 1/10 -CP
R6715	06S45674W57	RES, RK 102J 1/10 -CP
R6717	06S45674W97	RES, RK 473J 1/10 -CP
R6718	06S45674W97	RES, RK 473J 1/10 -CP
R6719	06S45674W97	RES, RK 473J 1/10 -CP
R6720	06S15593Y97	RES, RK 104F 1/10 -CP
R6721	06S45674W33	RES, RK 101J 1/10 -CP
R6722	06S45674W33	RES, RK 101J 1/10 -CP
R6723	06S45674W33	RES, RK 101J 1/10 -CP
R6724	06S45675W30	RES, RK 105J 1/10 -CP
R6725	06S70072F69	RES, CP . 472-J-1/4-CP
R6726	06S45674W57	RES, RK 102J 1/10 -CP
R6730	06S15593Y72	RES, RK 912F 1/10 -CP
R6731	06S15593Y86	RES, RK 363F 1/10 -CP

Symbol No.	Part No.	Description
R6732	06S15593Y77	RES, RK 153F 1/10 -CP
R6733	06S15593Y76	RES, RK 133F 1/10 -CP
R6734	06S15593Y85	RES, RK 333F 1/10 -CP
R6735	06S15593Y72	RES, RK 912F 1/10 -CP
R6736	06S70072F29	RES, CP . 101-J-1/4-CP
R6738	06S70072F29	RES, CP . 101-J-1/4-CP
R6739	06S70072F25	RES, CP . 68R-J-1/4-CP
R8701	06S15593Y79	RES, RK 183F 1/10 -CP
R8702	06S15593Y51	RES, RK 122F 1/10 -CP
R8703	06S15593Y86	RES, RK 363F 1/10 -CP
R8704	06S15593Y49	RES, RK 102F 1/10 -CP
R8705	06S15593Y51	RES, RK 122F 1/10 -CP
R8706	06S15593Y49	RES, RK 102F 1/10 -CP
R8707	06S15593Y76	RES, RK 133F 1/10 -CP
R8708	06S15593Y77	RES, RK 153F 1/10 -CP
R8711	06S15593Y66	RES, RK 512F 1/10 -CP
R8712	06S15593Y68	RES, RK 622F 1/10 -CP
R8721	06S15593Y75	RES, RK 123F 1/10 -CP
R8722	06S15593Y79	RES, RK 183F 1/10 -CP
R8723	06S15593Y70	RES, RK 752F 1/10 -CP
R8724	06S15593Y49	RES, RK 102F 1/10 -CP
R8725	06S15594Y06	RES, RK 224F 1/10 -CP
R8732	06S45675W43	RES, RK JUMPER1/10-CP
R8733	06S15593Y56	RES, RK 202F 1/10 -CP
R8734	06S15593Y82	RES, RK 243F 1/10 -CP
R8753	06T25178Y15	RES, RK 2R2F 1/4 -CP
R8754	06T25178Y15	RES, RK 2R2F 1/4 -CP
R8755	06T25178Y15	RES, RK 2R2F 1/4 -CP
R8756	06S35083Y21	RES, RK 471F 1/4 -CP
R8761	06T25178Y19	RES, RK 3R3F 1/4 -CP
R8762	06T25178Y19	RES, RK 3R3F 1/4 -CP
R8763	06T25178Y19	RES, RK 3R3F 1/4 -CP
R8764	06T25178Y19	RES, RK 3R3F 1/4 -CP
R8765	06T25178Y19	RES, RK 3R3F 1/4 -CP
R8766	06T25178Y19	RES, RK 3R3F 1/4 -CP
R8768	06S15593Y32	RES, RK 201F 1/10 -CP
R8781	06T25178Y19	RES, RK 3R3F 1/4 -CP
R8782	06T25178Y19	RES, RK 3R3F 1/4 -CP
R8783	06T25178Y19	RES, RK 3R3F 1/4 -CP
R8784	06T25178Y19	RES, RK 3R3F 1/4 -CP
R8785	06T25178Y19	RES, RK 3R3F 1/4 -CP
R8786	06T25178Y19	RES, RK 3R3F 1/4 -CP
R8788	06S15593Y32	RES, RK 201F 1/10 -CP
R8810	06T25178Y74	RES, RK 621F 1/4 -CP
R8811	06T25178Y15	RES, RK 2R2F 1/4 -CP
R8812	06T25178Y15	RES, RK 2R2F 1/4 -CP
R8816	06S45675W43	RES, RK JUMPER1/10-CP
R8830	06S35083Y22	RES, RK 561F 1/4 -CP
R8834	06S35083Y02	RES, RK 12RF 1/4 -CP

Symbol No.	Part No.	Description
R8835	06S35083Y02	RES. RK 12RF 1/4 -CP
R8837	06S45675W43	RES. RK JUMPER1/10-CP
R8841	06S15594Y20	RES. RK 824F 1/10 -CP
R8844	06T25178Y48	RES. RK 51RF 1/4 -CP
R8845	06S35083Y03	RES. RK 15RF 1/4 -CP
R8849	06S15593Y43	RES. RK 561F 1/10 -CP
R8850	06S35083Y15	RES. RK 151F 1/4 -CP
R8851	06T25178Y15	RES. RK 2R2F 1/4 -CP
R8852	06T25178Y15	RES. RK 2R2F 1/4 -CP
R8853	06S15593Y36	RES. RK 301F 1/10 -CP
R8854	06T25178Y46	RES. RK 43RF 1/4 -CP
R8855	06T25178Y46	RES. RK 43RF 1/4 -CP
R8857	06S45675W43	RES. RK JUMPER1/10-CP
R8858	06S15593Y70	RES. RK 752F 1/10 -CP
R8859	06S15593Y73	RES. RK 103F 1/10 -CP
R8860	06S15594Y20	RES. RK 824F 1/10 -CP
R8861	06S35083Y21	RES. RK 471F 1/4 -CP
R8862	06S35083Y21	RES. RK 471F 1/4 -CP
R8863	06S15594Y06	RES. RK 224F 1/10 -CP
R8864	06S15593Y57	RES. RK 222F 1/10 -CP
R8865	06S45675W43	RES. RK JUMPER1/10-CP
R8867	06S15593Y92	RES. RK 523F 1/10 -CP
R8868	06T25178Y84	RES. RK 162F 1/4 -CP
R8869	06T25178Y80	RES. RK 112F 1/4 -CP
R8870	06S15593Y82	RES. RK 243F 1/10 -CP
R8871	06S35083Y01	RES. RK 10RF 1/4 -CP
R8872	06S35083Y13	RES. RK 101F 1/4 -CP
R8873	06S15593Y42	RES. RK 511F 1/10 -CP
R8874	06S15593Y63	RES. RK 392F 1/10 -CP
R8875	06S15593Y85	RES. RK 333F 1/10 -CP
R8951	06S35083Y22	RES. RK 561F 1/4 -CP
R8952	06S35083Y22	RES. RK 561F 1/4 -CP
R8953	06S35083Y13	RES. RK 101F 1/4 -CP
R8954	06S15593Y73	RES. RK 103F 1/10 -CP
R8955	06S15593Y84	RES. RK 303F 1/10 -CP
R8962	06S70072F77	RES. CP . 103-J-1/4-CP
R8964	06S45674W99	RES. RK 563J 1/10 -CP
R8965	06S45674W57	RES. RK 102J 1/10 -CP
R8966	06S70072F77	RES. CP . 103-J-1/4-CP
R8971	06S15593Y82	RES. RK 243F 1/10 -CP
R8972	06S35083Y35	RES. RK 682F 1/4 -CP
R8973	06S15594Y19	RES. RK 754F 1/10 -CP
R8981	06S15594Y14	RES. RK 474F 1/10 -CP
R8982	06T25178Y40	RES. RK 24RF 1/4 -CP
R9901	06S45675W43	RES. RK JUMPER1/10-CP
R9902	06S45675W43	RES. RK JUMPER1/10-CP
RA6701	06S45591W06	RES. ARY MNR102J 4-CP
RA6702	06S45591W06	RES. ARY MNR102J 4-CP
RA6703	06S45591W06	RES. ARY MNR102J 4-CP
RA6705	06S45591W06	RES. ARY MNR102J 4-CP
RA6706	06S45591W06	RES. ARY MNR102J 4-CP
RA6707	06S45591W06	RES. ARY MNR102J 4-CP
RA6709	06S45591W06	RES. ARY MNR102J 4-CP
RA6710	06S45591W06	RES. ARY MNR102J 4-CP
RA6712	06S45591W06	RES. ARY MNR102J 4-CP
RA6714	06S45591W06	RES. ARY MNR102J 4-CP
RA6716	06S45591W07	RES. ARY MNR101J 4-CP
RA6717	06S45591W02	RES. ARY MNR473J 4-CP
VR8733	16T25572Y07	VAR. RH03ADC 102-X-CP
VR8856	16T25572Y07	VAR. RH03ADC 102-X-CP

Connectors

CB5720	09T75344W20	BTB, 1MSA91428-20A +
CB6700	09T25251Y22	FFC, SFW22R-1STE1 -EQ
CB6700	09T25442Y40	FFC, SFVH40R-1STE1-EQ
CB8701	09T25256Y22	FFC, SFV22R-1STE1 -EQ
CB9900	09T25427Y22	WTB, S22B-PHDSS -DB

LCD P.W.Board

IC's

IC8880	51T93970F04	NJM555V-TE2	-SE2
IC9700	51T15143Y02	IR3Y26A1	-QT
IC9750	51T25424Y02	NJM4565V-TE1	-SE2
IC9770	51T25406Y02	TC7W34FK-TE85L	-CP
IC9780	51T25330Y01	TC7WH123FU-TE12L-SE1	
IC9800	51T25691Y01	LZ9GJ18	-QT
IC9840	51T25491Y01	NJM2107F-TE1	-CP

Transistors

Q8884	48T94853F05	DTD. CP. 113EK-96	
Q8885	48T25137Y16	TR. UN921LJ-TX	-CP
Q8886	48T25136Y10	TR. UN911DJ-TX	-CP
Q8888	48T25137Y02	TR. UN9212J-TX	-CP
Q8889	48T25137Y16	TR. UN921LJ-TX	-CP
Q8891	48T25137Y16	TR. UN921LJ-TX	-CP
Q8892	48T45230W03	TR. FMY1A-T148	-CP
Q8894	48T35586W01	TR . 2SC3518-Z	-ME5
Q8895	48T35586W01	TR . 2SC3518-Z	-ME5
Q8897	48T25137Y02	TR. UN9212J-TX	-CP
Q8898	48T25137Y02	TR. UN9212J-TX	-CP

Symbol No.	Part No.	Description
Q9761	48T25327Y02	TR, UMY4N-TR -CP
Q9762	48T25327Y01	TR, UMY3N-TR -CP
Q9851	48T63461F01	TR . CP. 2SC2411K -96
Diodes		
D9843	48T15540Y01	DIO. MAZS111-TX -CP
D9856	48T25248Y01	DIO. VAR MA335-TX -CP
D9861	48T25247Y01	DIO. SHT MA716-TX -CP
ZD9857	48T15541Y49	DIO. ZEN MAZS051OM-CP
ZD9894	48T15541Y49	DIO. ZEN MAZS051OM-CP
Coils		
L8891	24T25578Y13	IND. 0124C 101M -EA
L9831	24T25164Y18	IND. FSLM2520 2R7J-CP
L9833	24T25164Y18	IND. FSLM2520 2R7J-CP
L9851	24T25164Y18	IND. FSLM2520 2R7J-CP
L9861	24T25164Y27	IND. FSLM2520 15RJ-CP
Filters		
Z9711	91T95452W03	EMI. NFM39R02C101 -CP
Z9712	91T95452W03	EMI. NFM39R02C101 -CP
Z9713	91T95452W03	EMI. NFM39R02C101 -CP
Thermistors		
TH8881	48T25250Y03	TMT. ERTJ1VR223J -CP
TH8896	48T25250Y03	TMT. ERTJ1VR223J -CP
Transformers		
T8898	25T25447Y01	TRANS. BLC216 -T
T8899	25T25447Y01	TRANS. BLC216 -T
Capacitors		
C8880	08S45676W80	CAP. CER 223K-B1E -CP
C8885	08S45676W95	CAP. CER 823K-B1C -CP
C8886	08S45677W60	CAP. CER 102J-CH1H-CP
C8888	08S45676W73	CAP. CER. 103K-B1H -CP
C8892	08S45676W85	CAP. CER 104K-B1C -CP
C8893	08T35064Y02	CAP. TF 154J-1E -E2
C8894	08T55401W37	CAP. TF 104J-1H -E2

Symbol No.	Part No.	Description
C9700	08S45676W80	CAP. CER 223K-B1E -CP
C9701	08S45676W80	CAP. CER 223K-B1E -CP
C9705	08S45676W73	CAP. CER. 103K-B1H -CP
C9709	08T15349Y01	CAP. CER 105K-B1A -CP
C9710	08T15349Y01	CAP. CER 105K-B1A -CP
C9711	08T15349Y01	CAP. CER 105K-B1A -CP
C9712	08S45676W73	CAP. CER. 103K-B1H -CP
C9713	08S45676W73	CAP. CER. 103K-B1H -CP
C9714	08S45676W73	CAP. CER. 103K-B1H -CP
C9715	08S45676W73	CAP. CER. 103K-B1H -CP
C9716	08S45676W73	CAP. CER. 103K-B1H -CP
C9717	08S45676W73	CAP. CER. 103K-B1H -CP
C9721	08S45676W73	CAP. CER. 103K-B1H -CP
C9723	08S45676W73	CAP. CER. 103K-B1H -CP
C9725	08S45676W73	CAP. CER. 103K-B1H -CP
C9727	08S45676W73	CAP. CER. 103K-B1H -CP
C9729	08S45676W73	CAP. CER. 103K-B1H -CP
C9731	08S45676W73	CAP. CER. 103K-B1H -CP
C9733	08S45676W73	CAP. CER. 103K-B1H -CP
C9735	08S45676W73	CAP. CER. 103K-B1H -CP
C9737	08S45676W73	CAP. CER. 103K-B1H -CP
C9751	08S55128F88	CAP. CER 104K-B1H -CP
C9753	08S45677W10	CAP. CER 8R0D-CH1H-CP
C9756	08S45677W36	CAP. CER 101J-CH1H-CP
C9770	08S45676W80	CAP. CER 223K-B1E -CP
C9780	08S45676W80	CAP. CER 223K-B1E -CP
C9781	08S45676W73	CAP. CER. 103K-B1H -CP
C9800	08S45676W80	CAP. CER 223K-B1E -CP
C9801	08S45676W80	CAP. CER 223K-B1E -CP
C9802	08S45676W80	CAP. CER 223K-B1E -CP
C9803	08S45676W80	CAP. CER 223K-B1E -CP
C9812	08S45675W85	CAP. CER 104K-B1C -CP
C9815	08S45675W85	CAP. CER 104K-B1C -CP
C9816	08S45675W85	CAP. CER 104K-B1C -CP
C9817	08S45677W24	CAP. CER 33RJ-CH1H-CP
C9818	08S45677W36	CAP. CER. 101J-CH1H-CP
C9819	08S45677W24	CAP. CER 33RJ-CH1H-CP
C9820	08S45676W85	CAP. CER 104K-B1C -CP
C9821	08S45676W85	CAP. CER 104K-B1C -CP
C9822	08S45676W85	CAP. CER 104K-B1C -CP
C9823	08S45676W85	CAP. CER 104K-B1C -CP
C9824	08S45676W85	CAP. CER 104K-B1C -CP
C9825	08S45676W85	CAP. CER 104K-B1C -CP
C9826	08S45676W93	CAP. CER 224K-B1A -CP
C9827	08S45676W85	CAP. CER 104K-B1C -CP
C9828	08S45677W34	CAP. CER. 82RJ-CH1H-CP
C9831	08S45676W80	CAP. CER 223K-B1E -CP
C9832	08S45676W80	CAP. CER 223K-B1E -CP
C9833	08S45676W80	CAP. CER 223K-B1E -CP

Symbol No.	Part No.	Description
C9834	08S45676W80	CAP. CER 223K-B1E -CP
C9840	08S45676W80	CAP. CER 223K-B1E -CP
C9841	08S45676W85	CAP. CER 104K-B1C -CP
C9842	08S45677W54	CAP. CER 561J-CH1H-CP
C9851	08S45677W60	CAP. CER 102J-CH1H-CP
C9852	08S45677W36	CAP. CER. 101J-CH1H-CP
C9853	08S45677W44	CAP. CER. 221J-CH1H-CP
C9854	08S45677W48	CAP. CER. 331J-CH1H-CP
C9857	08S45676W85	CAP. CER 104K-B1C -CP
C9858	08S45676W85	CAP. CER 104K-B1C -CP
C9861	08S45677W24	CAP. CER 33RJ-CH1H-CP
C9862	08S45677W24	CAP. CER 33RJ-CH1H-CP
C9863	08S45677W60	CAP. CER 102J-CH1H-CP
C9878	08S60102F48	CAP. CER 105K-B1E -CP
C9879	08S65128F88	CAP. CER 104K-B1H -CP
C9882	08S45676W73	CAP. CER. 103K-B1H -CP
C9888	08S45677W54	CAP. CER 561J-CH1H-CP
C9889	08S45677W54	CAP. CER 561J-CH1H-CP
C9894	08S45676W85	CAP. CER 104K-B1C -CP
C9895	08S65128F88	CAP. CER 104K-B1H -CP
C9896	08T25191Y04	CAP. CER 225K-B1A -CP
C9897	08S45676W93	CAP. CER 224K-B1A -CP
C9898	08S60102F48	CAP. CER 105K-B1E -CP
C9899	08S45676W93	CAP. CER 224K-B1A -CP
E8884	23T15765Y50	CAP. TAN R47-1V-Q -CP
E8891	23T25615Y14	CAP. ZT 101-1A -E6
E9700	23T15765Y60	CAP. TAN 101-1C-G -E2
E9701	23T15765Y61	CAP. TAN 221-1E-G -E2
E9743	23T15765Y75	CAP. TAN 10R-1C-A -CP
E9747	23T15765Y75	CAP. TAN 10R-1C-A -CP
E9751	23T15765Y88	CAP. TAN 10R-1E-E -E1
E9761	23T15765Y88	CAP. TAN 10R-1E-E -E1
E9800	23T15765Y60	CAP. TAN 101-1C-G -E2
E9831	23T15765Y82	CAP. TAN 10R-1D-B -CP
E9832	23T15765Y82	CAP. TAN 10R-1D-B -CP
E9833	23T15765Y82	CAP. TAN 10R-1D-B -CP
E9834	23T15765Y82	CAP. TAN 10R-1D-B -CP
E9840	23T15765Y52	CAP. TAN 1R0-1V-S -CP
E9891	23T15765Y58	CAP. TAN 10R-1V-G -E2
E9892	23T15765Y58	CAP. TAN 10R-1V-G -E2

Resistors

R2902	08S45675W43	RES. RK JUMPER1/10-CP
R8881	06T25178Y31	RES. RK 10RF 1/4 -CP
R8882	06S15593Y69	RES. RK 682F 1/10 -CP
R8883	06S15593Y69	RES. RK 682F 1/10 -CP
R8885	06S15593Y71	RES. RK 822F 1/10 -CP

Symbol No.	Part No.	Description
R8886	06S15593Y75	RES. RK 123F 1/10 -CP
R8887	06S15593Y87	RES. RK 393F 1/10 -CP
R8888	06S15593Y92	RES. RK 623F 1/10 -CP
R8889	06S15593Y65	RES. RK 472F 1/10 -CP
R8892	06S15593Y60	RES. RK 302F 1/10 -CP
R8894	06T25178Y63	RES. RK 152F 1/4 -CP
R8895	06T25178Y63	RES. RK 152F 1/4 -CP
R8896	06S15593Y68	RES. RK 622F 1/10 -CP
R8897	06S15593Y70	RES. RK 752F 1/10 -CP
R8898	06S15593Y84	RES. RK 303F 1/10 -CP
R9704	06S15593Y49	RES. RK 102F 1/10 -CP
R9705	06S15593Y75	RES. RK 123F 1/10 -CP
R9709	06S15593Y25	RES. RK 101F 1/10 -CP
R9710	06S15593Y25	RES. RK 101F 1/10 -CP
R9711	06S15593Y25	RES. RK 101F 1/10 -CP
R9712	06S45675W43	RES. RK JUMPER1/10-CP
R9713	06S15593Y22	RES. RK 75RF 1/10 -CP
R9715	06S15593Y22	RES. RK 75RF 1/10 -CP
R9717	06S15593Y22	RES. RK 75RF 1/10 -CP
R9721	06S45674W81	RES. RK 103J 1/10 -CP
R9722	06S45674W81	RES. RK 103J 1/10 -CP
R9723	06S45674W89	RES. RK 223J 1/10 -CP
R9724	06S45674W92	RES. RK 303J 1/10 -CP
R9725	06S15593Y70	RES. RK 752F 1/10 -CP
R9726	06S15593Y79	RES. RK 183F 1/10 -CP
R9727	06S45674W85	RES. RK 153J 1/10 -CP
R9728	06S45674W90	RES. RK 243J 1/10 -CP
R9729	06S45674W85	RES. RK 153J 1/10 -CP
R9730	06S45674W90	RES. RK 243J 1/10 -CP
R9731	06S15593Y79	RES. RK 183F 1/10 -CP
R9732	06S45674W90	RES. RK 243J 1/10 -CP
R9733	06S45674W85	RES. RK 153J 1/10 -CP
R9734	06S45674W89	RES. RK 223J 1/10 -CP
R9735	06S45674W81	RES. RK 103J 1/10 -CP
R9736	06S15593Y79	RES. RK 183F 1/10 -CP
R9737	06S45674W85	RES. RK 153J 1/10 -CP
R9738	06S45674W89	RES. RK 223J 1/10 -CP
R9742	06S15593Y49	RES. RK 102F 1/10 -CP
R9743	06S15593Y65	RES. RK 472F 1/10 -CP
R9746	06S15593Y51	RES. RK 122F 1/10 -CP
R9747	06S15593Y35	RES. RK 271F 1/10 -CP
R9751	06S15593Y87	RES. RK 393F 1/10 -CP
R9752	06S15593Y87	RES. RK 393F 1/10 -CP
R9753	06S15593Y73	RES. RK 103F 1/10 -CP
R9754	06S15593Y73	RES. RK 103F 1/10 -CP
R9755	06S15593Y49	RES. RK 102F 1/10 -CP
R9756	06S15593Y80	RES. RK 203F 1/10 -CP
R9757	06S15593Y73	RES. RK 103F 1/10 -CP
R9758	06S15593Y49	RES. RK 102F 1/10 -CP

Symbol No.	Part No.	Description
R9759	06S15593Y50	RES. RK 112F 1/10 -CP
R9761	06T25178Y31	RES. RK 10RF 1/4 -CF
R9762	06T25178Y31	RES. RK 10RF 1/4 -CF
R9763	06S15593Y76	RES. RK 752F 1/10 -CP
R9764	06S15593Y70	RES. RK 752F 1/10 -CP
R9765	06S15593Y49	RES. RK 102F 1/10 -CP
R9766	06S15593Y87	RES. RK 393F 1/10 -CP
R9771	06S70072F29	RES. CP . 101-J-1/4-CP
R9772	06S70072F29	RES. CP . 101-J-1/4-CP
R9781	06S15593Y49	RES. RK 102F 1/10 -CP
R9814	06S15593Y25	RES. RK 101F 1/10 -CP
R9820	06S15584Y22	RES. RK 105F 1/10 -CP
R9822	06S15584Y06	RES. RK 224F 1/10 -CP
R9829	06S15593Y25	RES. RK 101F 1/10 -CP
R9841	06S15593Y93	RES. RK 683F 1/10 -CP
R9842	06S15694Y22	RES. RK 105F 1/10 -CP
R9844	06S15693Y93	RES. RK 683F 1/10 -CP
R9845	06S15693Y67	RES. RK 562F 1/10 -CP
R9846	06S15693Y82	RES. RK 243F 1/10 -CP
R9847	06S15593Y89	RES. RK 473F 1/10 -CP
R9848	06S15593Y64	RES. RK 432F 1/10 -CP
R9851	06S15593Y79	RES. RK 183F 1/10 -CP
R9852	06S15593Y59	RES. RK 272F 1/10 -CP
R9853	06S15593Y61	RES. RK 332F 1/10 -CP
R9854	06S15593Y25	RES. RK 101F 1/10 -CP
R9855	06S15593Y37	RES. RK 331F 1/10 -CP
R9856	06S15693Y67	RES. RK 562F 1/10 -CP
R9857	06S15693Y71	RES. RK 822F 1/10 -CP
R9861	06S15593Y39	RES. RK 391F 1/10 -CP
R9862	06S15594Y16	RES. RK 564F 1/10 -CP
R9863	06S15594Y16	RES. RK 564F 1/10 -CP
R9878	06S15593Y21	RES. RK 68RF 1/10 -CP
R9891	06S15693Y79	RES. RK 183F 1/10 -CP
R9892	06S15593Y65	RES. RK 333F 1/10 -CP
R9894	06S15593Y73	RES. RK 103F 1/10 -CP
R9897	06S45675W43	RES. RK JUMPER1/10-CP
RA9801	06S45591W09	RES. ARY MNR561J 4-CP
RA9814	06S45591W07	RES. ARY MNR101J 4-CP
RA9829	06S45591W07	RES. ARY MNR101J 4-CP
VR9721	18T45357W13	VAR. RH03A3C 103 -CP
VR9723	18T45357W13	VAR. RH03A3C 103 -CP
VR9725	18T45357W13	VAR. RH03A3C 103 -CP
VR9727	18T45357W13	VAR. RH03A3C 103 -CP
VR9729	18T45357W13	VAR. RH03A3C 103 -CP
VR9731	18T45357W13	VAR. RH03A3C 103 -CP
VR9733	18T45357W13	VAR. RH03A3C 103 -CP
VR9735	18T45357W13	VAR. RH03A3C 103 -CP
VR9737	18T45357W13	VAR. RH03A3C 103 -CP
VR9765	18T45357W13	VAR. RH03A3C 103 -CP

Symbol No.	Part No.	Description
VR9800	18T45357W19	VAR. RH03A3C 104 -CP
VR9856	18T45357W09	VAR. RH03A3C 222 -CP

Connectors

CB5700	09T25256Y18	FFC. SFV18R-1STE1 -E9
CB5710	09T25256Y14	FFC. SFV14R-1STE1 -E9
CB8889	09T85214W02	WTB. SM02(8)B-BHS -E9
CB9700	09T35050Y50	FFC. FH12S-50S -EQ
CB9800	09T25256Y32	FFC. SFV32R-1STE1 -EQ

Key P.W. Board

IC's

IC5738	51T85196W04	TC7W14FU-TE12L -SE1
IC5739	51T25419Y01	RS-181 -NE6

Transistors

Q5721	48T25137Y01	TR. UN9211J-TX -CP
Q5722	48T25137Y01	TR. UN9211J-TX -CP
Q5732	48T25137Y04	TR. UN9214J-TX -CP

Diode

D5739	48T15707Y01	DIO. MA133-TX -CP

LED's

LD5721	48T15521Y02	LED. SML-310LT-CP (RED)
LD5722	48T15521Y02	LED. SML-310LT-CP (RED)
LD5726	48T15521Y04	LED. 310PT-JK -CP (GRN)
LD5727	48T15521Y04	LED. 310PT-JK -CP (GRN)
LD5723	48T15521Y02	LED. SML-310LT-CP (RED)
LD5732	48T25662Y01	LED. HBG1105W -CP (GRN)
LD5733	48T25662Y01	LED. HBG1105W -CP (GRN)
LD5734	48T25662Y01	LED. HBG1105W -CP (GRN)
LD5735	48T15521Y02	LED. SML-310LT-CP (RED)
LD5736	48T15521Y02	LED. SML-310LT-CP (RED)
LD5737	48T25662Y01	LED. HBG1105W -CP (GRN)
LD5738	48T25662Y01	LED. HBG1105W -CP (GRN)
LD5739	48T25662Y01	LED. HBG1105W -CP (GRN)
LD5740	48T25662Y01	LED. HBG1105W -CP (GRN)

Symbol No.	Part No.	Description
Switches		
SW5721	40T55656W06	SW. TACT SKQMAJ001-E2 (CHANGER)
SW5722	40T55656W06	SW. TACT SKQMAJ001-E2 (NAVI. /DISP.)
SW5723	40T55656W06	SW. TACT SKQMAJ001-E2 (SPE. ANA.)
SW5724	40T55656W06	SW. TACT SKQMAJ001-E2 (LIST/INPUT)
SW5725	40T55656W06	SW. TACT SKQMAJ001-E2 (BAND)
SW5726	40T55656W06	SW. TACT SKQMAJ001-E2 (SOURCE)
SW5728	40T55656W06	SW. TACT SKQMAJ001-E2 (RESET)
Buzzer		
BZ5721	50T45330W01	BUZZER. PKM13EPP-4002
Capacitors		
C5739	08S45675W80	CAP. CER 223K-B1E -CP
E5720	23T25615Y33	CAP. ZT 22R-1E -E6
Resistors		
R3931	06S45675W43	RES. RK JUMPER1/10-CP
R5721	06S45674W81	RES. RK 103J 1/10 -CP
R5722	06S45674W73	RES. RK 472J 1/10 -CP
R5726	06S35083Y21	RES. RK 471F 1/4 -CP
R5727	06T25178Y59	RES. RK 151F 1/4 -CP
R5729	06T25178Y48	RES. RK 51RF 1/4 -CP
R5730	06S35083Y21	RES. RK 471F 1/4 -CP
R5732	06T25178Y64	RES. RK 241F 1/4 -CP
R5734	06S35083Y22	RES. RK 561F 1/4 -CP
R5735	06S45674W97	RES. RK 473J 1/10 -CP
R5736	06S45674W97	RES. RK 473J 1/10 -CP
R5738	06S45674W33	RES. RK 101J 1/10 -CP
R5739	06S45674W33	RES. RK 101J 1/10 -CP
Connector		
CN5720	09T25426Y20	BTB. IMSA9142S-20C -B

Symbol No.	Part No.	Description
Top P. W. Board		
Transistors		
Q5701	48T25136Y14	TR. UN911HJ-TX -CP
Q5702	48T25137Y01	TR. UN9211J-TX -CP
Q5703	48T25137Y04	TR. UN9214J-TX -CP
Q5704	48T25137Y01	TR. UN9211J-TX -CP
LED's		
LD5701	48T15521Y04	LED. 310PT-JK -CP (GRN)
LD5702	48T15521Y04	LED. 310PT-JK -CP (GRN)
LD5703	48T15521Y04	LED. 310PT-JK -CP (GRN)
LD5704	48T15521Y04	LED. 310PT-JK -CP (GRN)
LD5705	48T15521Y04	LED. 310PT-JK -CP (GRN)
LD5706	48T15521Y04	LED. 310PT-JK -CP (GRN)
LD5707	48T65477W03	LED. SML-010PTT87 -CP (GRN)
LD5708	48T65477W03	LED. SML-010PTT87 -CP (GRN)
LD5709	48T65477W03	LED. SML-010PTT87 -CP (GRN)
LD5710	48T25373Y01	LED. KB1111FE -CP (BLU)
Switches		
SW5701	40T45074W04	SW. TACT SKQGAC -E2 (PWR)
SW5702	40T45074W04	SW. TACT SKQGAC -E2 (V)
SW5703	40T45074W04	SW. TACT SKQGAC -E2 (^)
SW5704	40T45074W04	SW. TACT SKQGAC -E2 (OPEN/CLOSE)
SW5705	40T45074W04	SW. TACT SKQGAC -E2 (MUTE)
Resistors		
R5701	06S35083Y17	RES. RK 221F 1/4 -CP
R5702	06S35083Y17	RES. RK 221F 1/4 -CP
R5703	06T25178Y60	RES. RK 161F 1/4 -CP
R5704	06T25178Y96	RES. RK 512F 1/4 -CP
Connector		
CN5700	09T15153Y18	FFC. FH12-18S -E7

Symbol No.	Part No.	Description
Function P.W.Board		
Transistors		
Q5711	48T25136Y14	TR,UN911HJ-TX -CP
Q5712	48T25137Y01	TR,UN9211J-TX -CP
Q5713	48T25137Y01	TR,UN9211J-TX -CP
LED's		
LD5711	48T15521Y04	LED,310PT-JK -CP (GRN)
LD5712	48T15521Y04	LED,310PT-JK -CP (GRN)
LD5713	48T15521Y04	LED,310PT-JK -CP (GRN)
LD5714	48T15521Y04	LED,310PT-JK -CP (GRN)
LD5715	48T15521Y04	LED,310PT-JK -CP (GRN)
LD5716	48T15521Y04	LED,310PT-JK -CP (GRN)
LD5717	48T15521Y04	LED,310PT-JK -CP (GRN)
LD5718	48T15521Y04	LED,310PT-JK -CP (GRN)
Switches		
SW5711	40T45074W04	SW,TACT SKDGAC -E2 (1)
SW5712	40T45074W04	SW,TACT SKDGAC -E2 (2)
SW5713	40T45074W04	SW,TACT SKDGAC -E2 (3)
SW5714	40T45074W04	SW,TACT SKDGAC -E2 (4)
SW5715	40T45074W04	SW,TACT SKDGAC -E2 (5)
SW5716	40T45074W04	SW,TACT SKDGAC -E2 (6)
SW5717	40T45074W04	SW,TACT SKDGAC -E2 (FUNC)
Resistors		
R3911	06S45675W43	RES,RK JUMPER1/10-CP
R5711	06T25178Y62	RES,RK 201F 1/4 -CP
R5712	06T25178Y62	RES,RK 201F 1/4 -CP
R5713	06T25178Y66	RES,RK 301F 1/4 -CP
R5715	06S15593Y65	RES,RK 472F 1/10 -CP
Connector		
CH5710	09T25256Y14	FFC,SFV14R-1STE1 -E9

Symbol No.	Part No.	Description
Servo P.W.Board		
IC's		
IC101	51T15389Y01	LR37648 -QT
IC102	51T15390Y01	IR3R55M -QT
IC103	51T25043Y01	BA5982FP-E2 -SEA
IC104	51T25070Y01	MSM51V44000P-70TK-ST
IC105	51T45571W02	IC ,LB1836M -SE05
IC201	51T15393Y01	UDA1320-A -SE2
IC202	51T90149P03	IC,M5218AFP-TE3-SE06
IC501	51T25618Y02	IC,D78076GC
IC502	51T25158Y01	M24C01-WMN6T -SE2
IC503	51T25069Y01	TC7WH34FU-TE12L -SE1
IC504	51T15362Y01	TC74HCT7007AFTP2-SE6
IC505	51T25069Y01	TC7WH34FU-TE12L -SE1
IC801	51T25189Y01	S-81233SGUP-T1 -NE2
IC802	51T95558W01	BA033FP-E2 -NE5
Transistor		
Q501	48T94606F56	TR,DTA114EUA-T106-CP
Diode		
D101	48T81063F01	DIO,CP,MA159 / TX-CP
Crystals		
XL101	91T15326Y02	OSC,CER CSTCV33.8-E1
XL501	91T15033Y03	OSC,CER CSTCC4.91-E1
Coils		
L101	24T75195W38	IND,LFC32 10RJ -CP
L102	24T75195W34	IND,LFC32 4R7J -CP
L103	24T75195W26	IND,LFC32 1R0J -CP
L105	24T75195W22	IND,LFC32 R47J -CP
Thermistor		
TH501	48T25250Y01	TMT,ERTJ1VV104J -CP

Symbol No.	Part No.	Description
Capacitors		
C101	08T15349Y01	CAP. CER 105K-B1A -CP
C102	08T15349Y01	CAP. CER 105K-B1A -CP
C103	08T15399W04	CAP. CER. 273K-B1H -CP
C104	08T15349Y01	CAP. CER 105K-B1A -CP
C105	08S45677W45	CAP. CER 271J-CH1H-CP
C106	08S45677W46	CAP. CER 271J-CH1H-CP
C107	08S45677W50	CAP. CER 391J-CH1H-CP
C108	08S45677W50	CAP. CER 391J-CH1H-CP
C109	08T55487W02	CAP. CER. 224K-B1C -CP
C110	08S45676W74	CAP. CER 123K-B1H -CP
C111	08S45676W67	CAP. CER. 332K-B1H -CP
C112	08T15399W02	CAP. CER. 333K-B1H -CP
C113	08T15399W04	CAP. CER. 273K-B1H -CP
C114	08S35374W01	CAP. CER 104K-B1E-CP
C115	08S35374W01	CAP. CER 104K-B1E-CP
C116	08S35374W01	CAP. CER 104K-B1E-CP
C117	08S35374W01	CAP. CER 104K-B1E-CP
C118	08S35374W01	CAP. CER 104K-B1E-CP
C119	08S66128F69	CAP. CER. 103K-B1H -CP
C120	08T55487W02	CAP. CER. 224K-B1C -CP
C121	08T15399W02	CAP. CER. 333K-B1H -CP
C122	08S35374W01	CAP. CER 104K-B1E-CP
C124	08S35374W01	CAP. CER 104K-B1E-CP
C125	08S35374W01	CAP. CER 104K-B1E-CP
C127	08T15399W04	CAP. CER. 273K-B1H -CP
C130	08S35374W01	CAP. CER 104K-B1E-CP
C131	08S45676W54	CAP. CER 561J-SL1H-CP
C132	08S45676W54	CAP. CER 561J-SL1H-CP
C133	08S45676W54	CAP. CER 561J-SL1H-CP
C134	08S45676W54	CAP. CER 561J-SL1H-CP
C135	08S45676W80	CAP. CER 223K-B1E -CP
C136	08S45676W80	CAP. CER 223K-B1E -CP
C137	08S45676W70	CAP. CER 562K-B1H -CP
C138	08S45676W70	CAP. CER 562K-B1H -CP
C201	08S45677W36	CAP. CER. 101J-CH1H-CP
C202	08S45677W36	CAP. CER. 101J-CH1H-CP
C203	08S45677W46	CAP. CER 271J-CH1H-CP
C204	08S45677W45	CAP. CER 271J-CH1H-CP
C205	08S45677W58	CAP. CER 821J-CH1H-CP
C206	08S45677W58	CAP. CER 821J-CH1H-CP
C207	08S45677W56	CAP. CER 681J-CH1H-CP
C208	08S45677W56	CAP. CER 681J-CH1H-CP
C209	08T15399W01	CAP. CER. 223K-B1H -CP
C501	08S35374W01	CAP. CER 104K-B1E-CP
C502	08S35374W01	CAP. CER 104K-B1E-CP
C503	08S35374W01	CAP. CER 104K-B1E-CP
C504	08S35374W01	CAP. CER 104K-B1E-CP

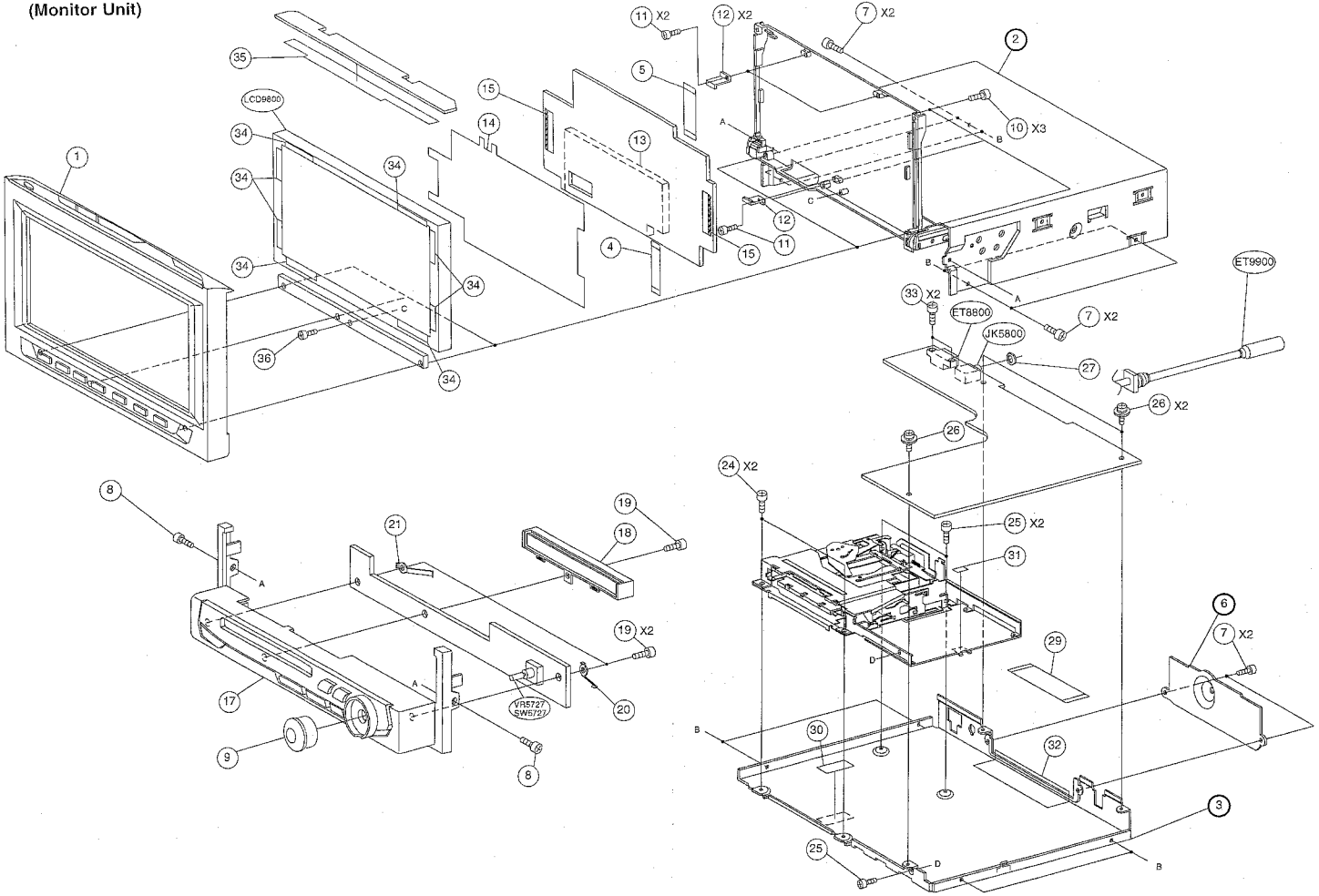
Symbol No.	Part No.	Description
C505	08S35374W01	CAP. CER 104K-B1E-CP
C801	08T15399W01	CAP. CER. 223K-B1H -CP
C802	08T15399W01	CAP. CER. 223K-B1H -CP
C806	08T15399W01	CAP. CER. 223K-B1H -CP
C807	08T15399W01	CAP. CER. 223K-B1H -CP
E101	23S55311W22	CAP, TAN. 4R7-1A-A -CP
E103	23S55311W44	CAP, TAN. 10R-1D-C -CP
E104	23T85373W03	CAP, ECAR 47R-05-C-E5
E111	23S55311W22	CAP, TAN. 4R7-1A-A -CP
E112	23S55311W22	CAP, TAN. 4R7-1A-A -CP
E113	23S55311W51	CAP, TAN. 1R0-1E-A -CP
E114	23S55311W51	CAP, TAN. 1R0-1E-A -CP
E201	23S55311W23	CAP, TAN. 10R-1A-B -CP
E203	23S55311W23	CAP, TAN. 10R-1A-B -CP
E204	23S55311W23	CAP, TAN. 10R-1A-B -CP
E205	23T85373W03	CAP, ECAR 47R-05-C-E5
E206	23T85373W03	CAP, ECAR 47R-05-C-E5
E207	23T85373W05	CAP, ECAR 10R-1C-C-E5
E208	23T85373W04	CAP, RA 22R-0J-B -E5
E209	23T85373W05	CAP, ECAR 10R-1C-C-E5
E210	23T85373W05	CAP, ECAR 10R-1C-C-E5
E801	23T85373W04	CAP, RA 22R-0J-B -E5
E802	23T85373W03	CAP, ECAR 47R-05-C-E5
E803	23T85373W04	CAP, RA 22R-0J-B -E5
E804	23T85373W03	CAP, ECAR 47R-05-C-E5
Resistors		
R101	06S45675W20	RES, RK 394J 1/10 -CP
R103	06S45674W89	RES, RK 223J 1/10 -CP
R104	06S45674W89	RES, RK 223J 1/10 -CP
R105	06S45674W89	RES, RK 223J 1/10 -CP
R106	06S45674W89	RES, RK 223J 1/10 -CP
R107	06S45674W99	RES, RK 563J 1/10 -CP
R108	06S45675W43	RES, RK JUMPER1/10-CP
R110	06S45674W57	RES, RK 102J 1/10 -CP
R114	06S45674W59	RES, RK 122J 1/10 -CP
R116	06S45674W25	RES, RK 47RJ 1/10 -CP
R117	06S45674W25	RES, RK 47RJ 1/10 -CP
R118	06S45674W25	RES, RK 47RJ 1/10 -CP
R119	06S45675W30	RES, RK 105J 1/10 -CP
R131	06S45674W81	RES, RK 103J 1/10 -CP
R132	06S45674W95	RES, RK 393J 1/10 -CP
R133	06S45674W95	RES, RK 393J 1/10 -CP
R134	06S45674W81	RES, RK 103J 1/10 -CP
R135	06S45674W81	RES, RK 103J 1/10 -CP
R136	06S45674W91	RES, RK 273J 1/10 -CP
R137	06S45674W91	RES, RK 273J 1/10 -CP

Symbol No.	Part No.	Description
R138	06S45674W81	RES. RK 103J 1/10 -CP
R139	06S45674W81	RES. RK 103J 1/10 -CP
R140	06S45674W91	RES. RK 273J 1/10 -CP
R141	06S45674W91	RES. RK 273J 1/10 -CP
R142	06S45674W81	RES. RK 103J 1/10 -CP
R143	06S45674W81	RES. RK 103J 1/10 -CP
R144	06S45674W88	RES. RK 203J 1/10 -CP
R145	06S45674W88	RES. RK 203J 1/10 -CP
R146	06S45674W81	RES. RK 103J 1/10 -CP
R201	06S45674W69	RES. RK 332J 1/10 -CP
R202	06S45674W69	RES. RK 332J 1/10 -CP
R203	06S45674W87	RES. RK 183J 1/10 -CP
R204	06S45674W87	RES. RK 183J 1/10 -CP
R205	06S45674W65	RES. RK 222J 1/10 -CP
R206	06S45674W65	RES. RK 222J 1/10 -CP
R207	06S45674W85	RES. RK 153J 1/10 -CP
R208	06S45674W85	RES. RK 153J 1/10 -CP
R209	06S45675W14	RES. RK 224J 1/10 -CP
R210	06S45675W14	RES. RK 224J 1/10 -CP
R211	06S45674W54	RES. RK 751J 1/10 -CP
R212	06S45674W54	RES. RK 751J 1/10 -CP
R213	06S45674W90	RES. RK 243J 1/10 -CP
R214	06S45674W90	RES. RK 243J 1/10 -CP
R215	06S45674W25	RES. RK 47RJ 1/10 -CP
R216	06S45674W25	RES. RK 47RJ 1/10 -CP
R219	06S45674W83	RES. RK 123J 1/10 -CP
R220	06S45674W83	RES. RK 123J 1/10 -CP
R501	06S45674W89	RES. RK 223J 1/10 -CP
R502	06S45674W89	RES. RK 223J 1/10 -CP
R506	06S45674W97	RES. RK 473J 1/10 -CP
R507	06S45674W81	RES. RK 103J 1/10 -CP
R508	06S45674W81	RES. RK 103J 1/10 -CP
R510	06S45674W97	RES. RK 473J 1/10 -CP
R513	06S45674W97	RES. RK 473J 1/10 -CP
R519	06S15593Y71	RES. RK 822F 1/10 -CP
R520	06S45674W97	RES. RK 473J 1/10 -CP
R521	06S45674W97	RES. RK 473J 1/10 -CP
R524	06S70072F37	RES. CP . 221-J-1/4-CP
R532	06S45674W33	RES. RK 101J 1/10 -CP
R538	06S45674W33	RES. RK 101J 1/10 -CP
R539	06S45674W33	RES. RK 101J 1/10 -CP
R540	06S45674W33	RES. RK 101J 1/10 -CP
R541	06S45674W33	RES. RK 101J 1/10 -CP
R542	06S45674W33	RES. RK 101J 1/10 -CP
R543	06S45674W33	RES. RK 101J 1/10 -CP
R544	06S45674W33	RES. RK 101J 1/10 -CP
R545	06S45674W33	RES. RK 101J 1/10 -CP
R546	06S45674W33	RES. RK 101J 1/10 -CP

Symbol No.	Part No.	Description
Connectors		
CB101	09T25953Y40	FFC, SFVH40R-2STE1-EQ
CB102	09T85454W05	WTB, 53398-0590 -E9
CB901	09T45435W22	FFC, 52207-2290 -EQ
Miscellaneous		
CH102	01T25696Y01	Assy., Wire 5P
ET2800	09T13515W04	4P Coupler
ET9900	01T35019Y01	Assy., DIN Connector (To Tuner Unit)
HD1	88T15711Y01	Pick-Up Unit, HPM-140
JK5800	09T95460W01	Jack, Remote Control Interface
LCD9800	01T25528Y01	Assy. LCD Unit, LQ065T5GG01
M1	01V16200Y23	Assy., Spindle Motor (2V-170mA)
M2	01V33500Y92	Assy., Sled Motor (4.8V-175mA)
M3	01V16200Y30	Assy., Eject Motor (7V-370mA)
M5904	44A22059Y01	Assy., Gear LOAD-Motor (7V-370mA)
M5905	44A22060Y01	Assy., Gear TILT-Motor (7V-370mA)
SW1	40T15375Y01	Switch, Detector SPVC1-N (LIMIT)
SW2	40T15222W01	Switch, Detector (PACK DOWN)
SW3	40T15222W01	Switch, Detector (DISC)
SW4	40T15222W01	Switch, Detector (POSITION)
SW5	40T15222W01	Switch, Detector (PACK IN)
VR5727, SW5727	40T45670W24	ROTARY ENCODER (VOLUME/MODE/LOUD・PUSH ENTER)

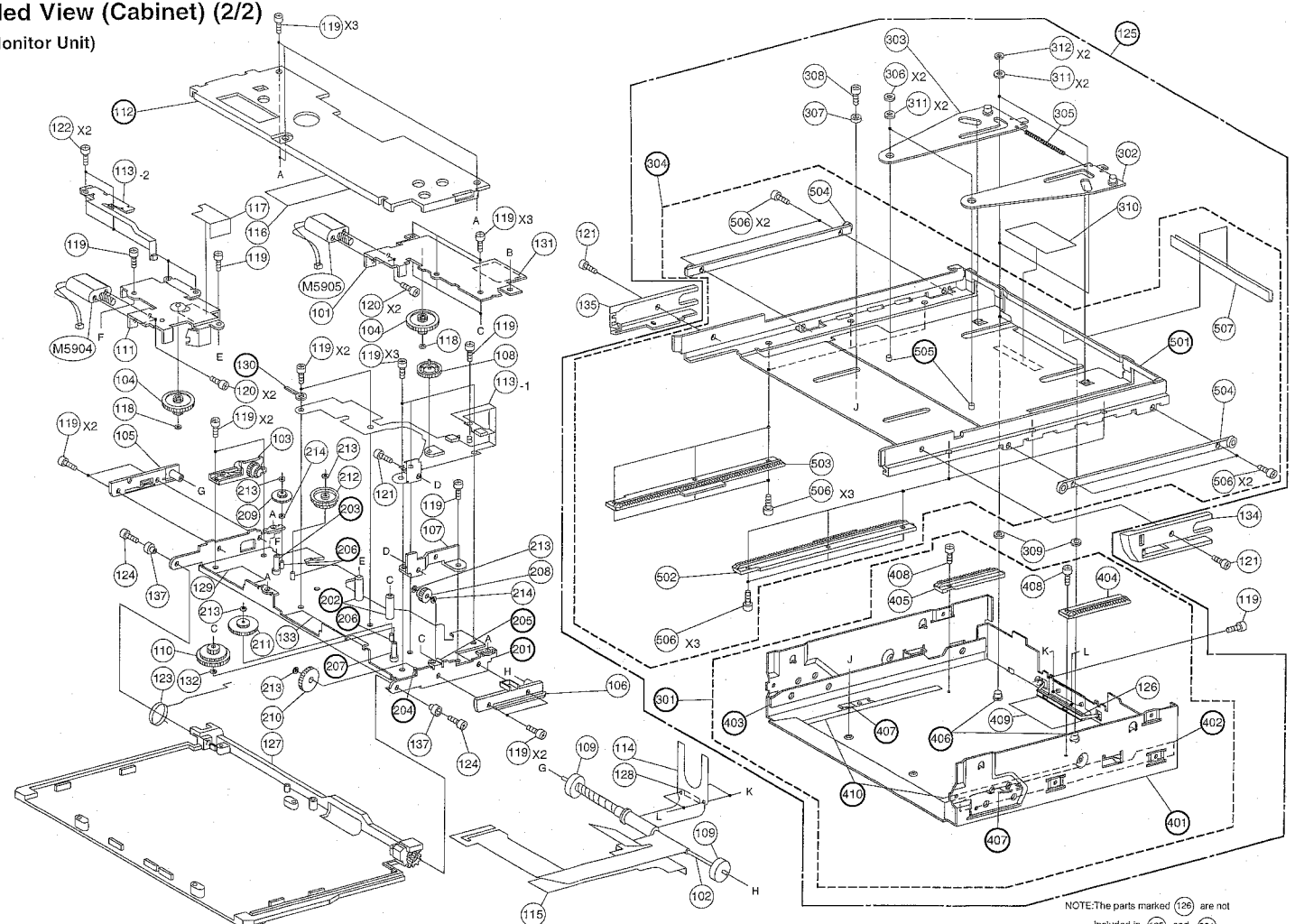
Exploded View (Cabinet) (1/2)

(Monitor Unit)



Exploded View (Cabinet) (2/2)

(Monitor Unit)



Cabinet Assembly Parts List

NOTE:Parts without part number are not supplied.

Symbol No.	Index	Part No.	Description
1		13D21570Y02	Assy., Nose Monitor
4		30T25132Y09	FFC, Wire
5		30T25132Y08	FFC, Wire
7		03S44205G29	Screw, Pan (M2.6X6)
8		03S94385F18	Screw, Pan Nylok (M2X3.5)
9		38D20205Y03	Assy., Knob Rotary
10		03S68556F51	Screw, Pan (M2X8)
11		03S70494F16	Screw, Pan (M2X4)
12		07A30105Y01	Bracket, LCD
13		26B22053Y01	Shield, Case Disp
14		14B30342Y01	Insulator, LCD
15		07T35194Y01	Bracket
17		13C21684Y02	Assy., Nose Base
18		15A22061Y02	Assy., Holder Door
19		03S68555F03	Screw, Pan (M2X8)
20		41A21804Y01	Spring, GND (R)
21		41A30434Y01	Spring, GND (L)
24		03S44205G30	Screw, Pan (M2.6X4)
25		03S38013W59	Screw, Pan (M2.6X3)
26		03S40036U26	Screw, W/Washer (M2.6X6)
27		02S40000G53	Nut, Hex. (M6)
28		14A30215Y01	Insulator, Chassis Base
29		30T25456Y07	FFC, Wire
30		14S11351Y89	Insulator, MD Mecha
31		14S11351Y97	Insulator, Cover
33		03S63857F51	Screw, Tapping (M3X10)
34		14S30726Y08	Insulator, Cover
35		14A30733Y01	Insulator, Top
36		03S70494F11	Screw, Pan (M2X5)
101		07B21805Y01	Assy., Bracket Motor-TILT
102		47A21695Y01	Assy., Shaft Drive
103		07B21813Y01	Assy., Bracket LOAD-Gear
104		44B90541W02	Assy., Gear Clutch
105		45B21704Y01	Slide, Gear Base (R)
106		45B21705Y01	Slide, Gear Base (L)
107		07B21817Y01	Bracket, TILT-Gear
108		44B21696Y01	Gear, T-Sense
109		44A21721Y01	Gear, Drive
110		44B21718Y01	Gear, T-2
111		07C21707Y01	Bracket, Motor-LOAD
113		01T35039Y01	Assy., FPC T/L-Sensor
114		84T35037Y01	FPC Main P.W.Board
115		14A22121Y01	Insulator A
116		14A22122Y01	Insulator B
117		14A22123Y01	Insulator C
118		04B41345P02	Washer, Lock (M1.7)
119		03S94385F73	Screw, Pan Nylok (M2X2)
120		03S68259F23	Screw, Pan (M2X3)
121		03S94385F44	Screw, Pan Nylok (M2X2)
122		03S94385F02	Screw, Pan Nylok (M1.7X3)
123		41A21697Y01	Spring, LCD-TILT
124		03S94385F81	Screw, Countersink Nylok (M2X5.5)
126		07A21883Y01	Bracket, FPC
127		13D21985Y02	Nose, Bottom Monitor
128		14S11351Y82	Insulator, Cover
129		14A30428Y01	Insulator, MO-SP
131		14A30525Y01	Insulator D
132		04B41345P55	Washer, Lock (M4.1)
133		75S21219Y45	Cushion, T-Motor
134		16C21819Y01	Cap, MID Chassis (L)
135		16C21816Y01	Cap, MID Chassis (R)
137		43A30682Y01	Bush, Nose
208		44A21715Y01	Gear A
209		44A21716Y01	Gear B
210		44A21717Y01	Gear, T-1
211		44A21719Y01	Gear, T-3
212		44A21714Y01	Gear, L-1
213		04B41345P14	Washer, Lock (M2.1)
214		04B41345P58	Washer, Lock
302		45A21595Y01	Assy., Lever (L)
303		45A22042Y01	Assy., Lever (R)
305		41A21594Y02	Spring, Clump
306		04B41345P22	Washer, Lock (M2.6)
307		43A21980Y01	Roller, H-P
308		03S94385F44	Screw, Pan Nylok (M2X2)
309		04S40075G24	Washer (M5.2)
310		14A30216Y01	Insulator, MID Chassis
311		04A30986Y01	Washer, Clamp
312		04B41345P04	Washer, Lock (M2.6)
404		44B21599Y01	Rack, Chassis Base (L)
405		44B21588Y01	Rack, Chassis Base (R)
408		03S94385F44	Screw, Pan Nylok (M2X2)
409		14A30214Y01	Insulator, Cover Top
502		44C21981Y01	Rack, MID Chassis (L)
503		44C21593Y01	Rack, MID Chassis (R)
504		07A21597Y01	Assy., Bracket Roller
506		03S94385F44	Screw, Pan Nylok (M2X2)
507		14A30575Y01	Insulator, Cover MID
		11E25751S01	Grease, G Paste

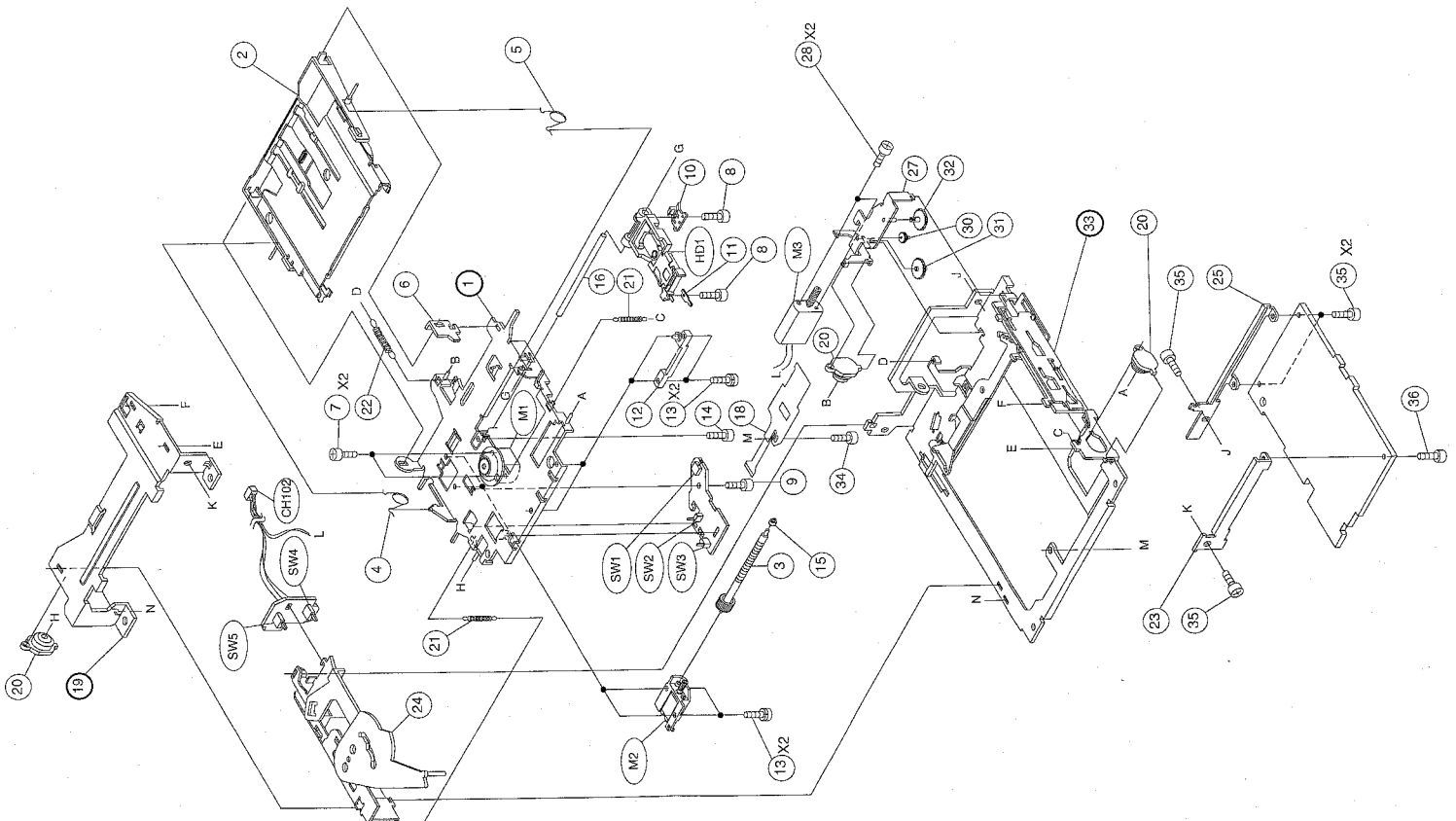
MD Deck Mechanism Assembly Parts List

NOTE:Parts without part number are not supplied.

Symbol No.	Index	Part No.	Description
2		01A20657Y02	Assy., Holder Pack
3		01V16200Y25	Assy., Sled Shaft
4		41A11698Y01	Spring, Holder L
5		41A11699Y01	Spring, Holder R
6		07A11674Y01	Stay, Arm
7		03S68259F34	Screw, Pan (M1.7X1.7)
8		03S68259F35	Screw, Pan (M1.4X2.5)
9		03S38013W25	Screw, Bind (M2X4)
10		41A11685Y01	Spring, Nut
11		41A20030Y01	Spring, Pick
12		07A11686Y01	Guide, Pick
13		03S40014G07	Screw, W/Washer (M2X4)
14		03S44205G43	Screw, Bind (M2.6X4)
15		43A31616W01	Bush
16		49A11696Y01	Shaft, Main
18		01T25631Y01	Assy., FPC Connector DY-T P.W.Board
20		75B20265Y01	Damper, DY
21		41A11701Y02	Spring, MD
22		41A11701Y03	Spring, MD
23		07A21421Y01	Bracket, Front
24		01A20658Y01	Assy., Eject Frame
25		07A21422Y01	Bracket, Rear
27		01A11654Y01	Assy., Riv. Bracket Motor
28		03S68259F31	Screw, Pan (M2X2.5)
30		44A11678Y01	Gear, Eject Motor
31		44A11679Y01	Gear, Eject Idler
32		44A11680Y01	Gear, Eject Out
34		03S44205G96	Screw, Bind (M2X5)
35		03S44205G30	Screw, Pan (M2.6X4)
36		03S38013W36	Screw, Bind (M2.6X4)

Exploded View (MD Deck Mechanism)

(DY31T010)



● Tuner Unit

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NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

IVA-M700R

Specifications

<FM RADIO>

Intermediate Frequency	10.7±0.1MHz
Frequency Range	87.5~108MHz
Usable Sensitivity (Mono, 3% Dist., at 98.1MHz)	20.2dBf
Quieting Sensitivity (Mono, 50dB S/N, at 98.1MHz)	21.2dBf
-3dB Limiting Sensitivity (at 98.1MHz)	20.2dBf
Residual Noise (Ref. 400Hz, at 98.1MHz)	30±10dB
S/N Ratio (Stereo, at 98.1MHz)	55dB
Image Rejection (at 106.1MHz)	40dB
IF Rejection (at 90.1MHz)	60dB
Distortion (Input 60dBμ, at 98.1MHz)	1%
Frequency Response (Ref. 400Hz, at 98.1MHz)	100Hz : 0±3dB 10kHz : -14±3dB
Stereo Separation (1kHz, at 98.1MHz)	20dB

<MW RADIO>

Intermediate Frequency	1st. : 10.7MHz 2nd. : 450kHz
Frequency Range	531~1,602kHz
Usable Sensitivity (20dB S/N, at 999kHz)	41dB
S/N Ratio (at 999kHz)	44dB
Image Rejection (at 1,404kHz, 2nd. IF)	40dB
IF Rejection (at 603kHz, 2nd. IF)	50dB
Distortion (at 999kHz)	1.5%
Frequency Response (Ref. 400Hz, at 999kHz)	100Hz : -3±4dB 2.5kHz : -3+3, -5dB

<LW RADIO>

Intermediate Frequency	1st. : 10.7MHz 2nd. : 450kHz
Frequency Range	153~281kHz
Usable Sensitivity (20dB S/N, at 198kHz)	44dB
S/N Ratio (at 198kHz)	44dB
Image Rejection (at 270kHz, 2nd. IF)	35dB
IF Rejection (at 198kHz, 2nd. IF)	50dB
Distortion (at 198kHz)	1.5%
Frequency Response (Ref. 400Hz, at 198kHz)	100Hz : -3±4dB 2.5kHz : -3+3, -5dB

<GENERAL>

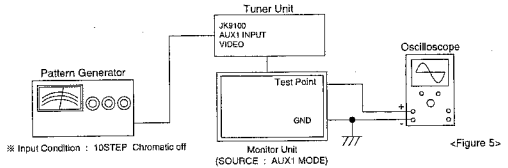
Power Supply	DC14.4V
Dimensions (W×H×D)	259×37×177.5mm
Weight	1.6kg

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

Adjustment Procedures

1. Video Adjustment

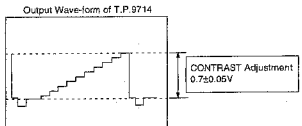
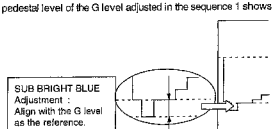
(1) Connections

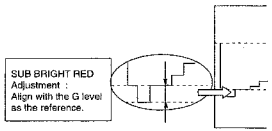


<Figure 5>

NOTE : For the Test Points in Figure 5, refer to the Test Points / P.W.Board coordinates shown below.
(For the video adjustments only, the Test Points are provided on the Monitor Unit side.)

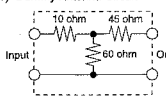
(2) Adjustment Procedures

Step	Description	Connection	Test Point / P.W.Board Coordinates	Adjustment
1	CONTRAST Adjustment	Figure 5	T.P.9714 (5-C)	Monitor the G output at T.P.9714 on the Monitor Unit and adjust VR9007 on the Tuner Unit until the oscilloscope shows 0.7±0.05Vp-p. Output Wave-form of T.P.9714 
2	SUB BRIGHT BLUE Adjustment	Figure 5	T.P.9713 (5-C)	Monitor the B output at T.P.9713 on the Monitor Unit and adjust VR9005 so that the pedestal level of the G level adjusted in the sequence 1 shows the same level. 

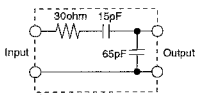
Step	Description	Connection	Test Point / P.W.Board Coordinates	Adjustment
3	SUB BRIGHT RED Adjustment	Figure 5	T.P.9715 (5-C)	Monitor the R output at T.P.9715 on the Monitor Unit and adjust VR9006 so that the pedestal level of the G level adjusted in the sequence 1 shows the same level. 

2. FM/AM Tuner Adjustment

(1) Dummy Antenna Circuit

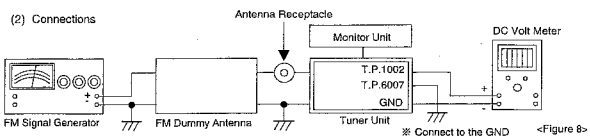


For 50 ohm FM Signal Generator <Figure 6>

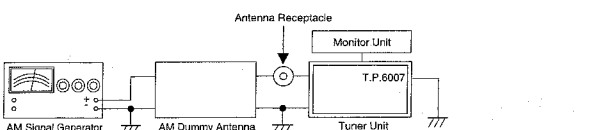


For 50 ohm AM Signal Generator <Figure 7>

(2) Connections



<Figure 8>



<Figure 9>

(3) Control Settings

Power Switch	ON	Bass Control	FLAT
Fader Control	Center Position	Band Switch	FM/AM
Balance Control	Center Position	Others	OFF
Treble Control	FLAT		

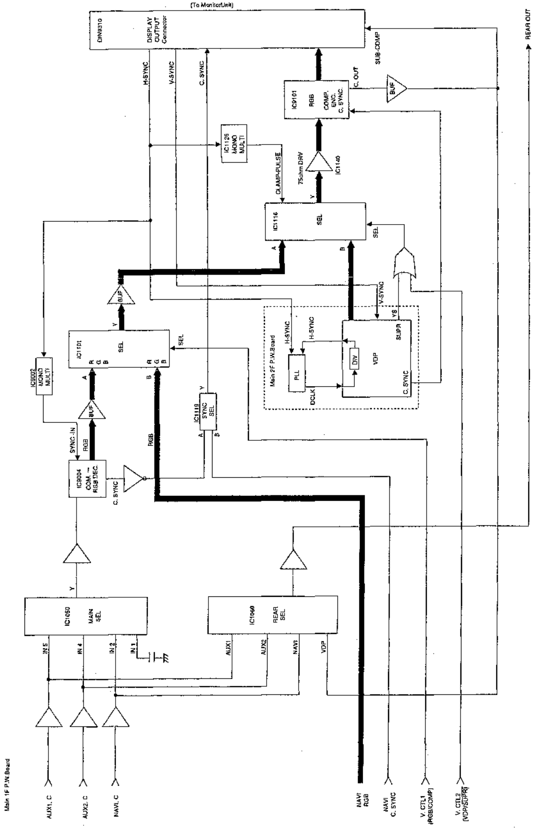
(4) Adjustment Procedures

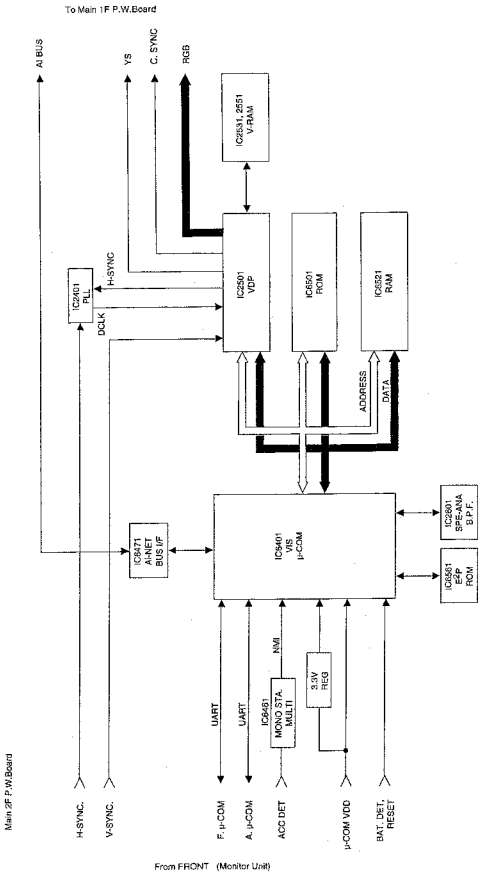
Step	Description	Connection	Signal Generator	Dial Control	Test Point / P.W.Board Coordinates	Adjustment
1	FM S-Meter Adjustment	Figure 8	98.1MHz (Input Level 52dBμ, Mod. OFF)	98.1MHz	T.P.1002 (3-G) T.P.6007 (2-G)	The automatic adjustment is carried out by connecting T.P.6007 to GND for more than 3 sec. (NOTE : Perform the automatic adjustment by increasing or decreasing the input level by more than ±5dBμ, and then perform the automatic adjustment again with the normal input level. In this case make sure the output at T.P.1002 shows 3±0.15V.)
2	AM Stop Level Adjustment	Figure 9	1,000kHz, 34dBμ (Mod. 30%, 400Hz)	1,000kHz	T.P.6007 (2-G)	The automatic adjustment is carried out by connecting T.P.6007 to GND for more than 3 sec.

NOTE : For the Test Points and Ajustment parts, refer to the Parts Layout on P.W.Boards and Wiring Diagram.

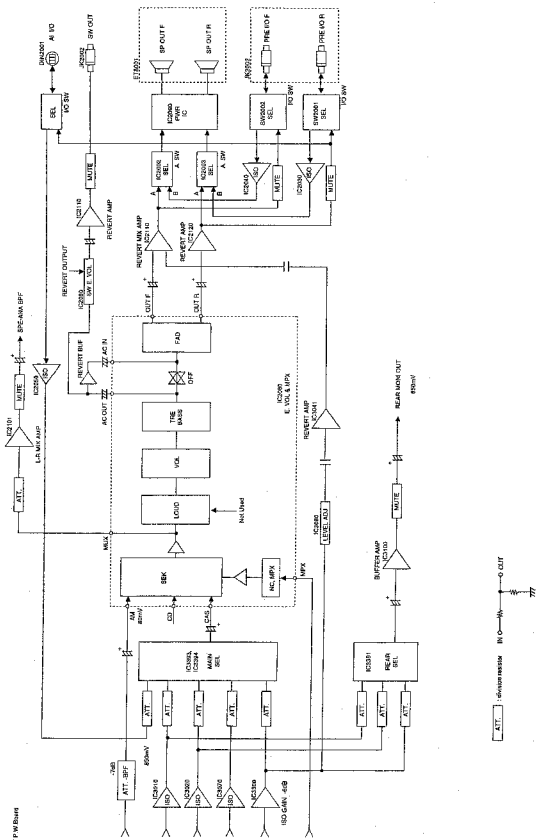
Block Diagram

(Video Signal / SYNC. Signal Block)


(To MonitorUnit)
DIN8310
DISPLAY OUTPUT Connector
SUB-COMP
REAR OUT
H-SYNC
V-SYNC
C. SYNC
C. OUT
BUF
IC9101 RGB COMP. ENC. C. SYNC.
IC1126 MONO MULTI
CLAMP-PULSE
75ohm DRV
IC1140
Y
IC1116 SEL
SEL
A
B
BUF
V-SYNC
Main 2F P.W.Board
H-SYNC
H-SYNC
YS
SUPR
PLL
DRV
VDP
DCLK
C. SYNC
IC1101 SEL
R G B
R G B
SEL
IC9002 MONO MULTI
BUF
SYNC-IN
RGB
RGB
IC1119 SYNC SEL
IC9004 COM. → RGB DEC.
C. SYNC
IC1050 MAIN SEL
IC1060 REAR SEL
IN 5
IN 4
IN 2
IN 1
AUX1
AUX2
NAVI
VDP
Main 1F P.W.Board
AUX1. C
AUX2. C
NAVI. C
NAVI RGB
NAVI C. SYNC
V. CTL1 (RGB/COMP)
V. CTL2 (VDP/SUPR)

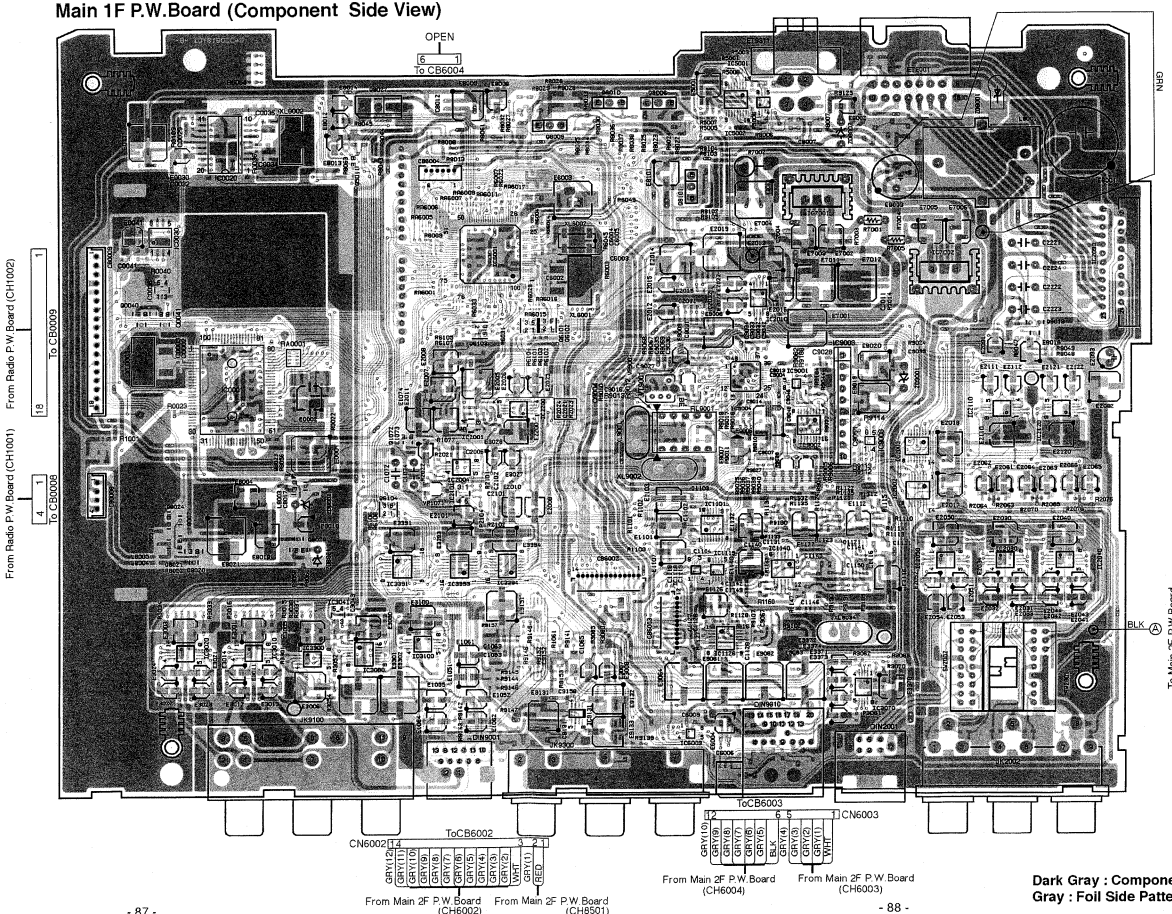

To Main 1F P.W.Board
AI BUS
YS
C. SYNC
RGB
IC2631, 2651
V-RAM
IC2601
PLL
H-SYNC
DCLK
IC2601
VDP
IC6501
ROM
IC6521
RAM
ADDRESS
DATA
IC6471
AUDIO
BUS I/F
IC6401
SYS
μ-COM
IC2601
SPF-AHA
BT.FT.
IC6561
FCP
ROM
UART
UART
IC6451
MONO STA-
MULTI
NMI
3.3V
REG
Main 3F P.W.Board
H-SYNC.
V-SYNC.
F. μ-COM
A. μ-COM
ACC DET
μ-COM VDD
BAT. DET.
RESET
From FRONT (Monitor Unit)

(Audio Signal Block)



Parts Layout on P.W.Boards and Wiring Diagram (1/5)

Main 1F P.W.Board (Component Side View)



Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (2/5)

1

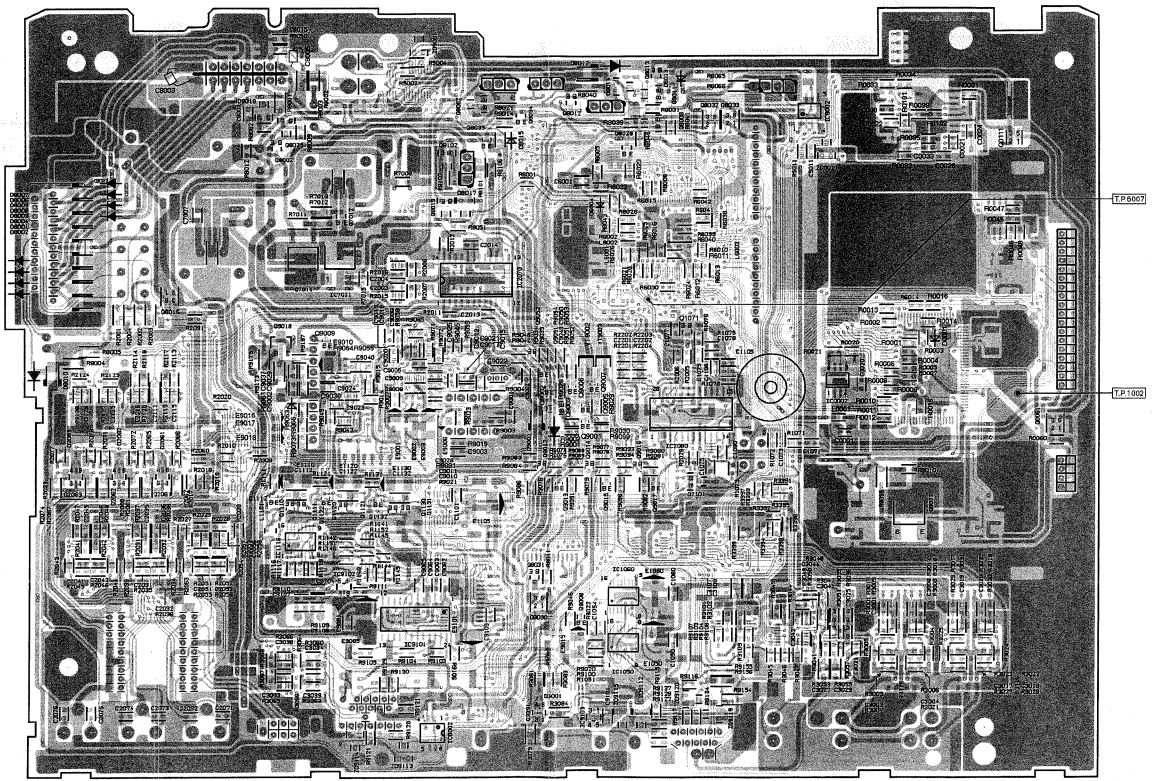
2

3

4

5

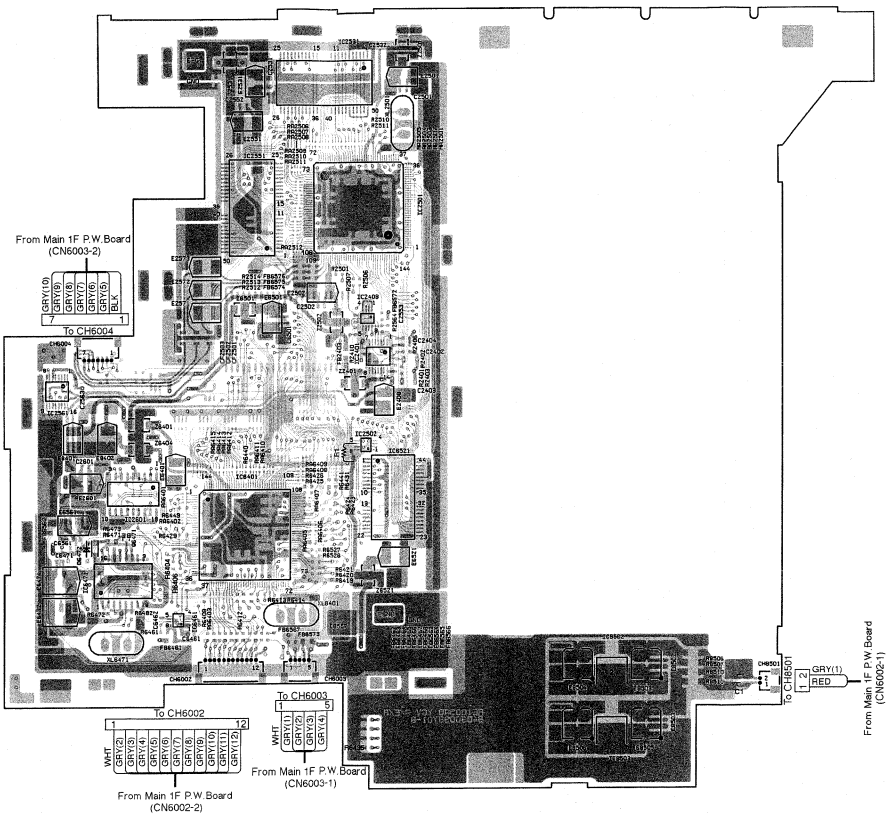
Main 1F P.W.Board (Foil Side View)



Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (3/5)

Main 2F P.W.Board (Component Side View)

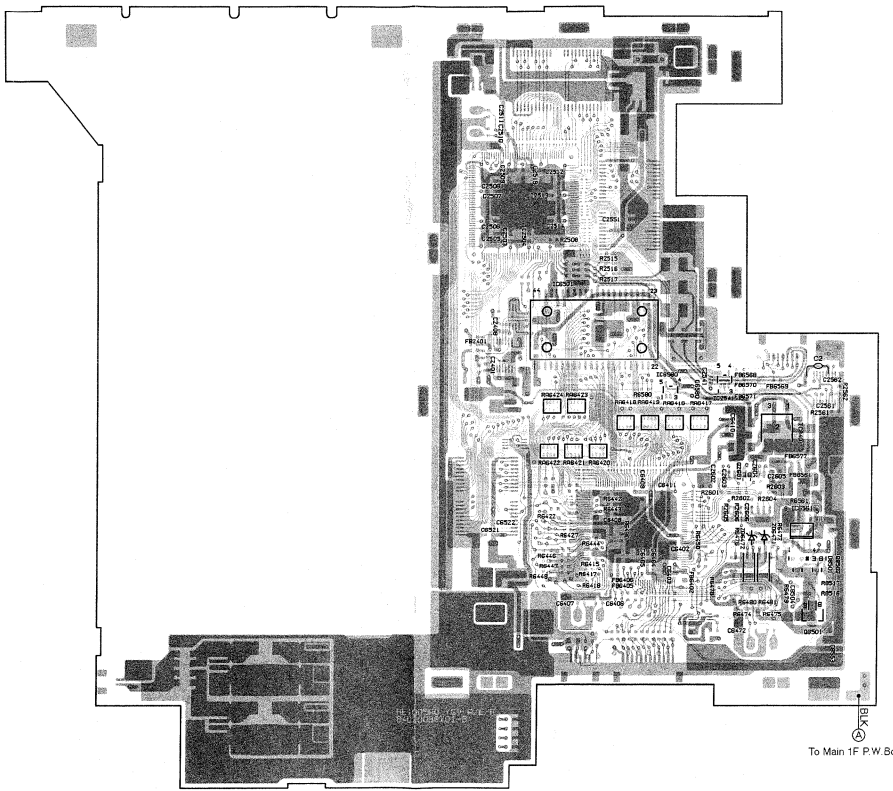


Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (4/5)

1
2
3
4
5

Main 2F P.W.Board (Foil Side View)



Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (5/5)

1

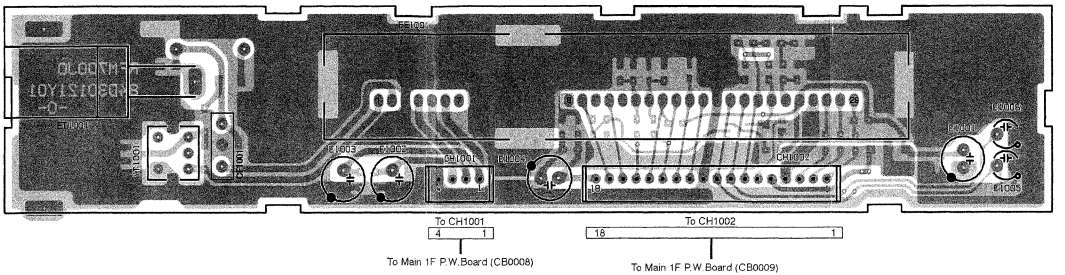
2

3

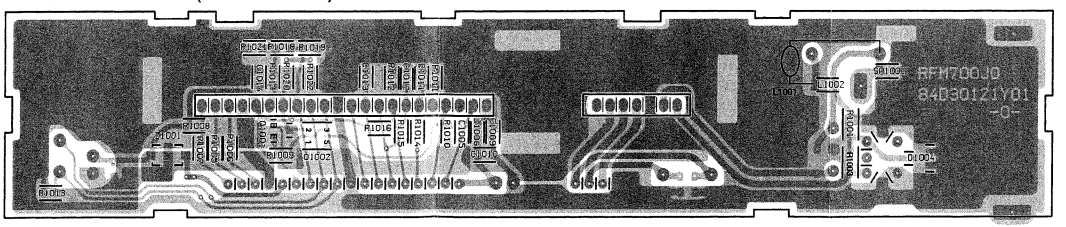
4

5

Radio P.W.Board (Component Side View)

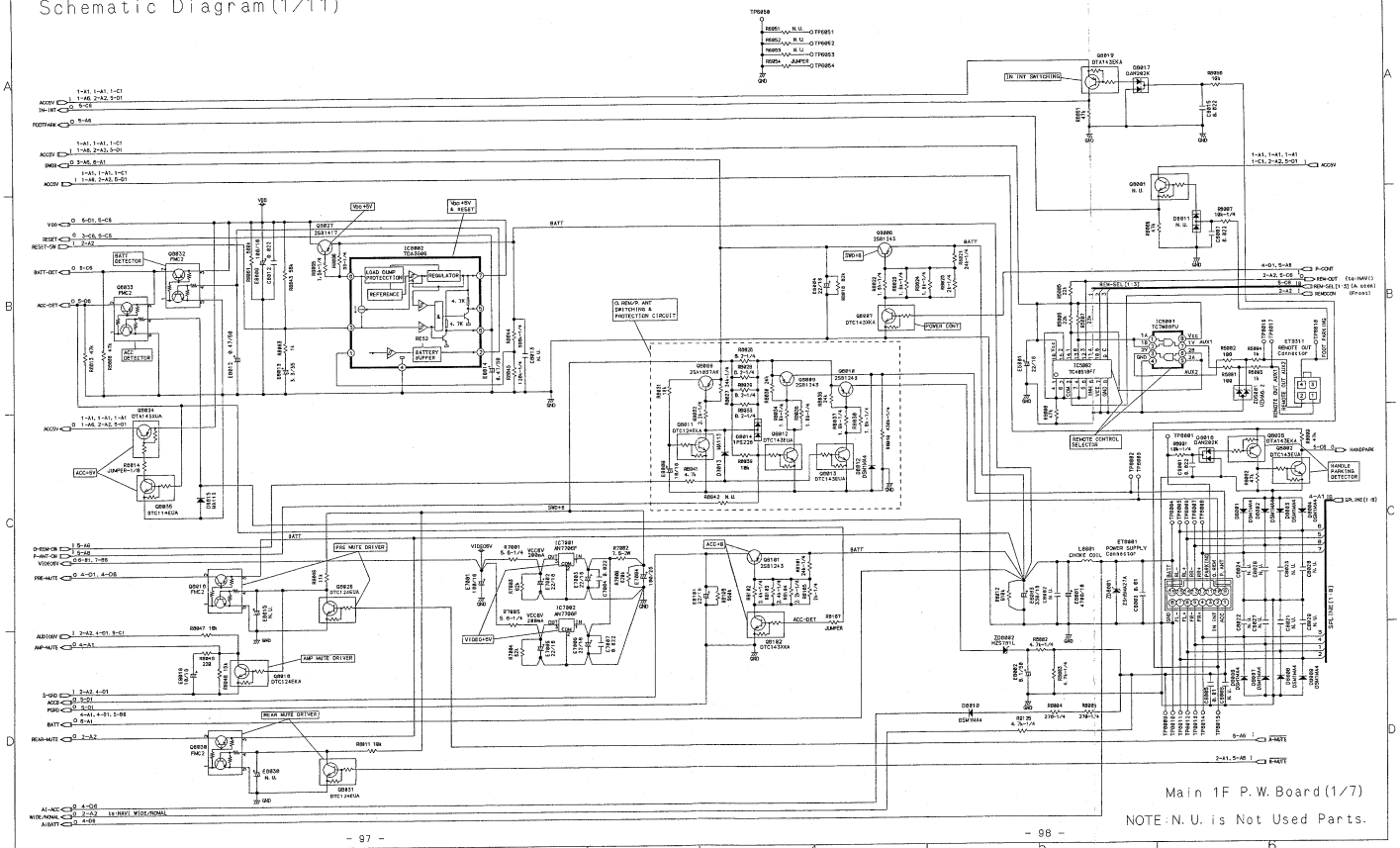


Radio P.W.Board (Foil Side View)



Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Schematic Diagram (1/11)

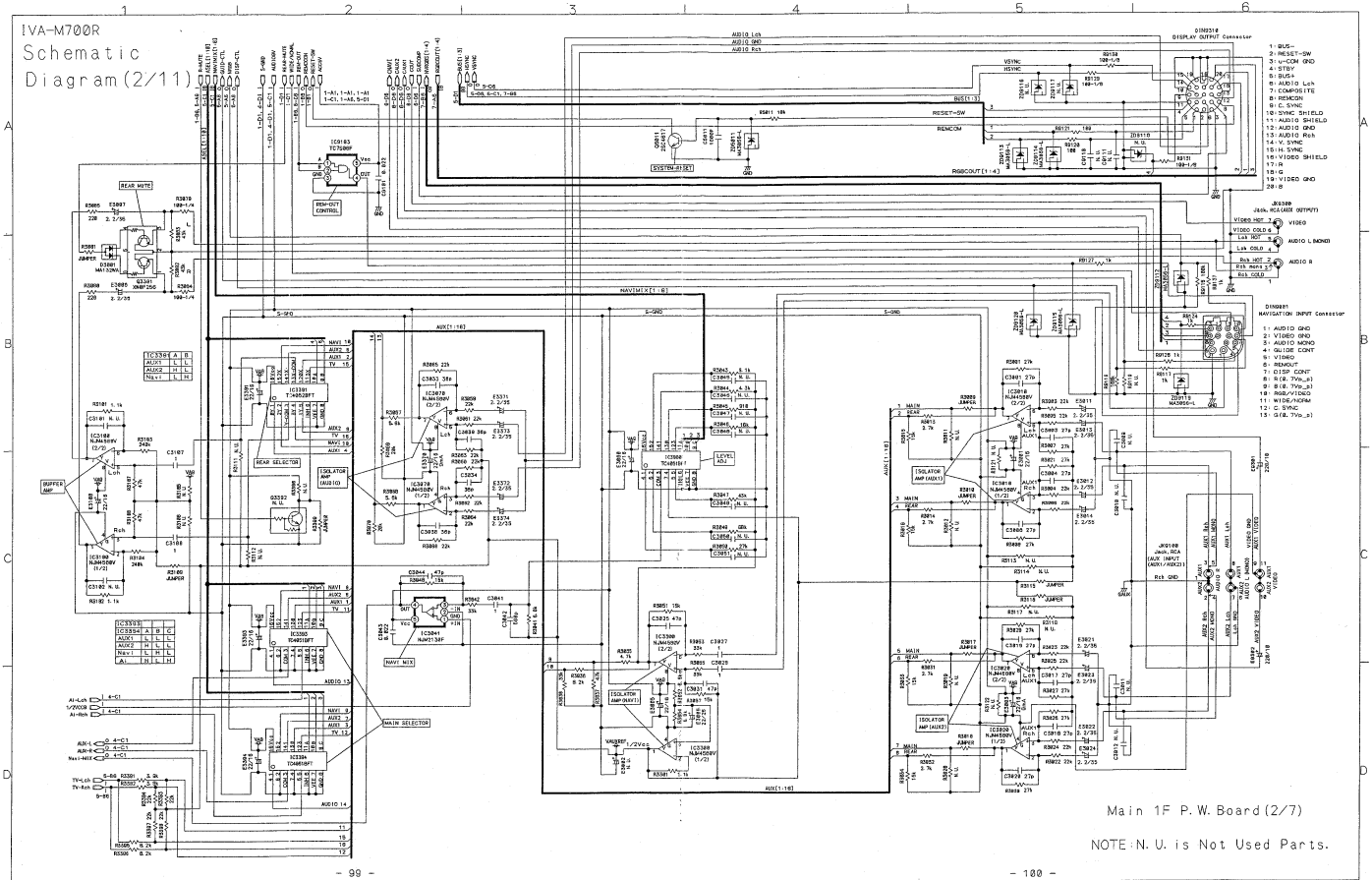


Main 1F P.W. Board (1/7)

NOTE: N.U. is Not Used Parts.

IVA-M700R

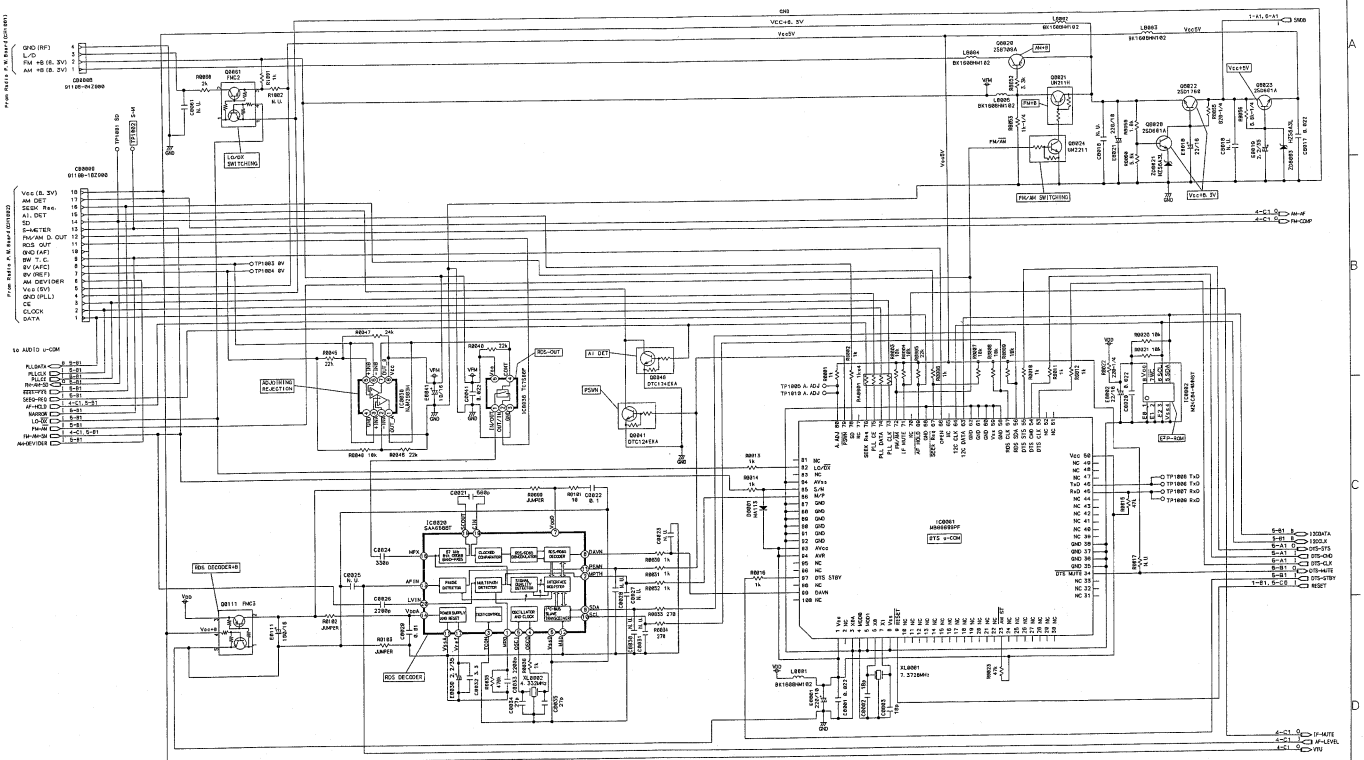
Schematic Diagram (2/11)



Main 1F P.W. Board (2/7)

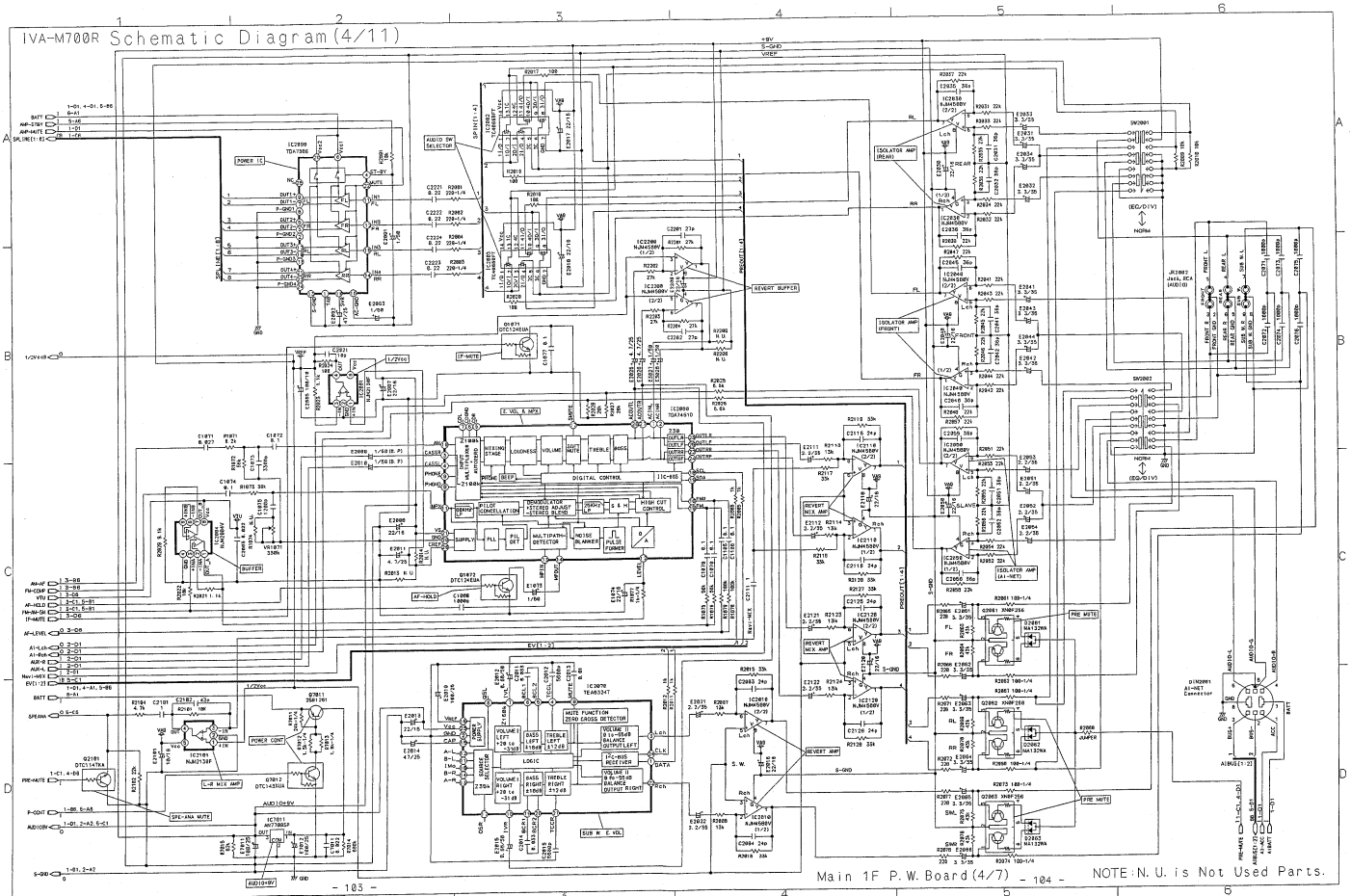
NOTE : N.U. is Not Used Parts.

Schematic Diagram (3/11)

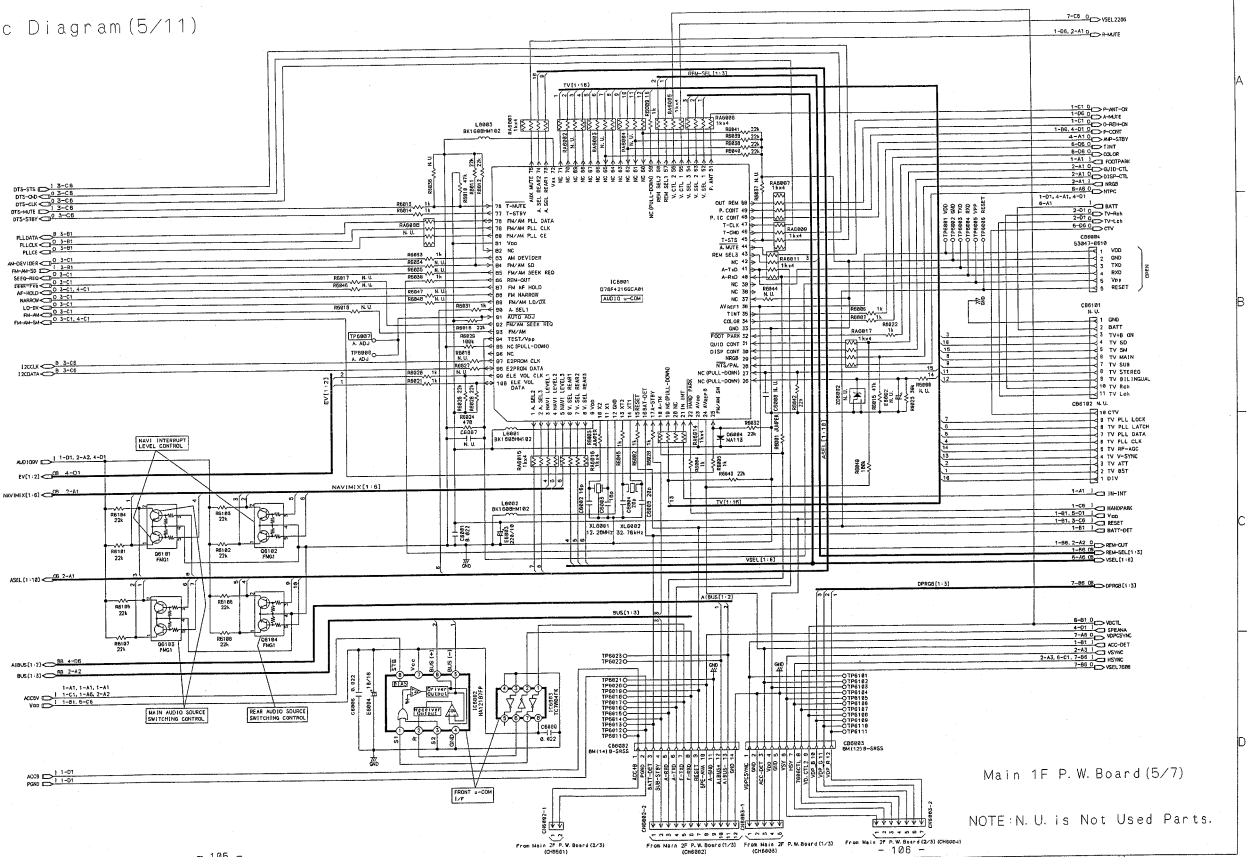


Main 1F P.W. Board (3/7)

NOTE : N.U. is Not Used Parts.


IVA-M700R Schematic Diagram(4/11)
POWER IC
AUDIO SW SELECTOR
REVERT BUFFER
ISOLATOR AMP (REAR)
ISOLATOR AMP (FRONT)
ISOLATOR AMP (A1-NET)
REVERT MIX AMP
REVERT AMP
PRE MUTE
DIGITAL CONTROL
MUTE FUNCTION ZERO CROSS DETECTOR
SUB W. E.VOL
SPEAKER MUTE
POWER CONT
L-R MIX AMP
AUDIO+5V
AUDIO+9V
- 103 -
Main 1F P.W. Board(4/7) - 104 -
NOTE:N.U. is Not Used Parts.

Schematic Diagram(5/11)

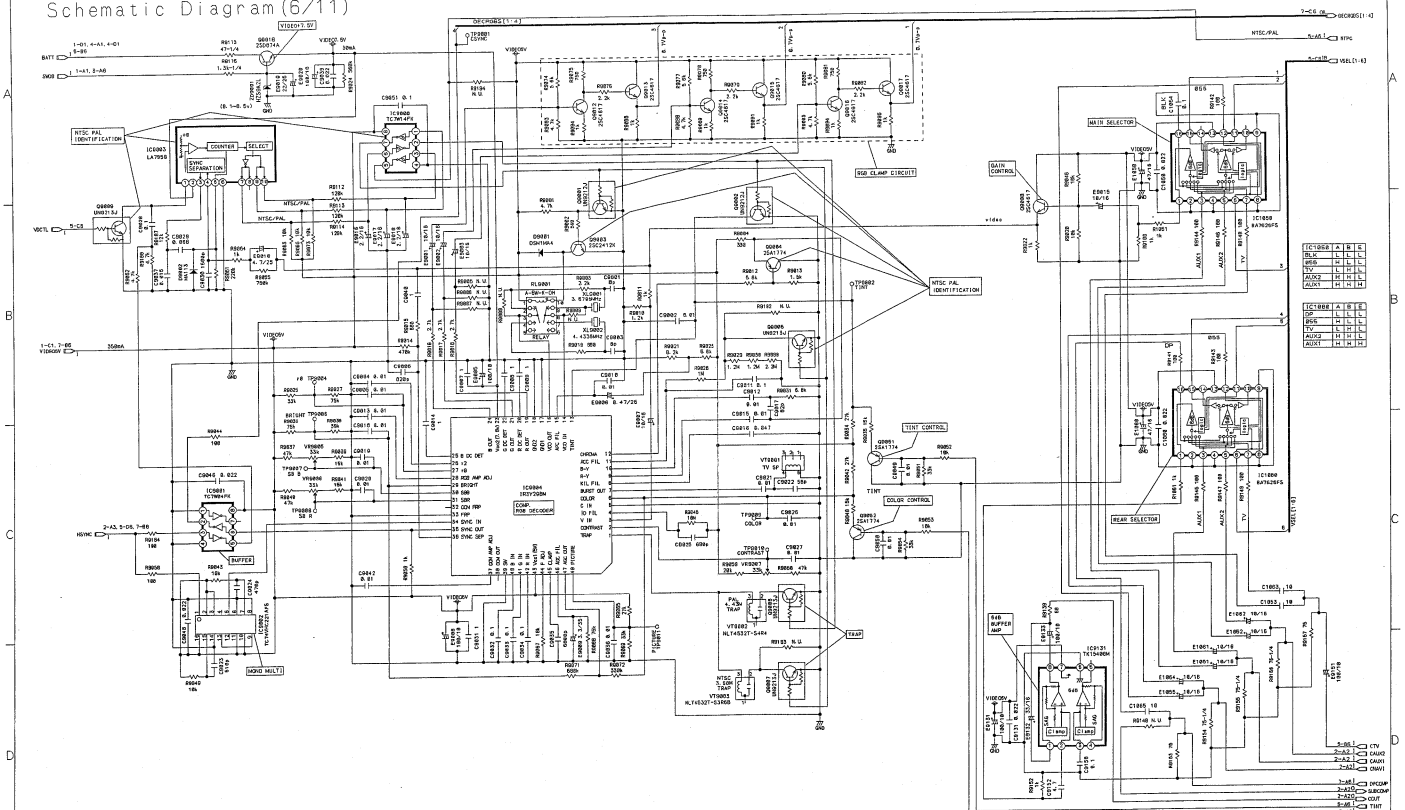


Main 1F P.W.Board(5/7)

NOTE:N.U. is Not Used Parts.

IVA-M700R

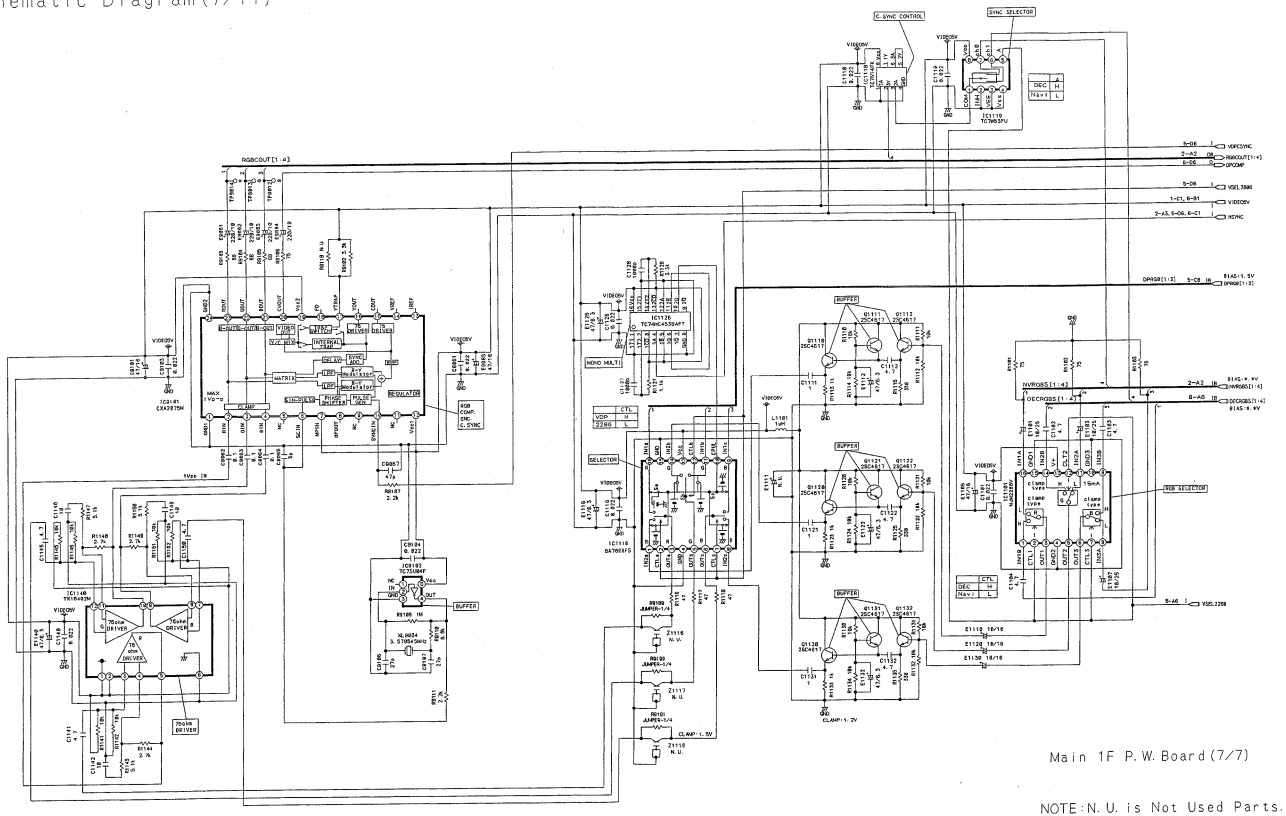
Schematic Diagram (6/11)



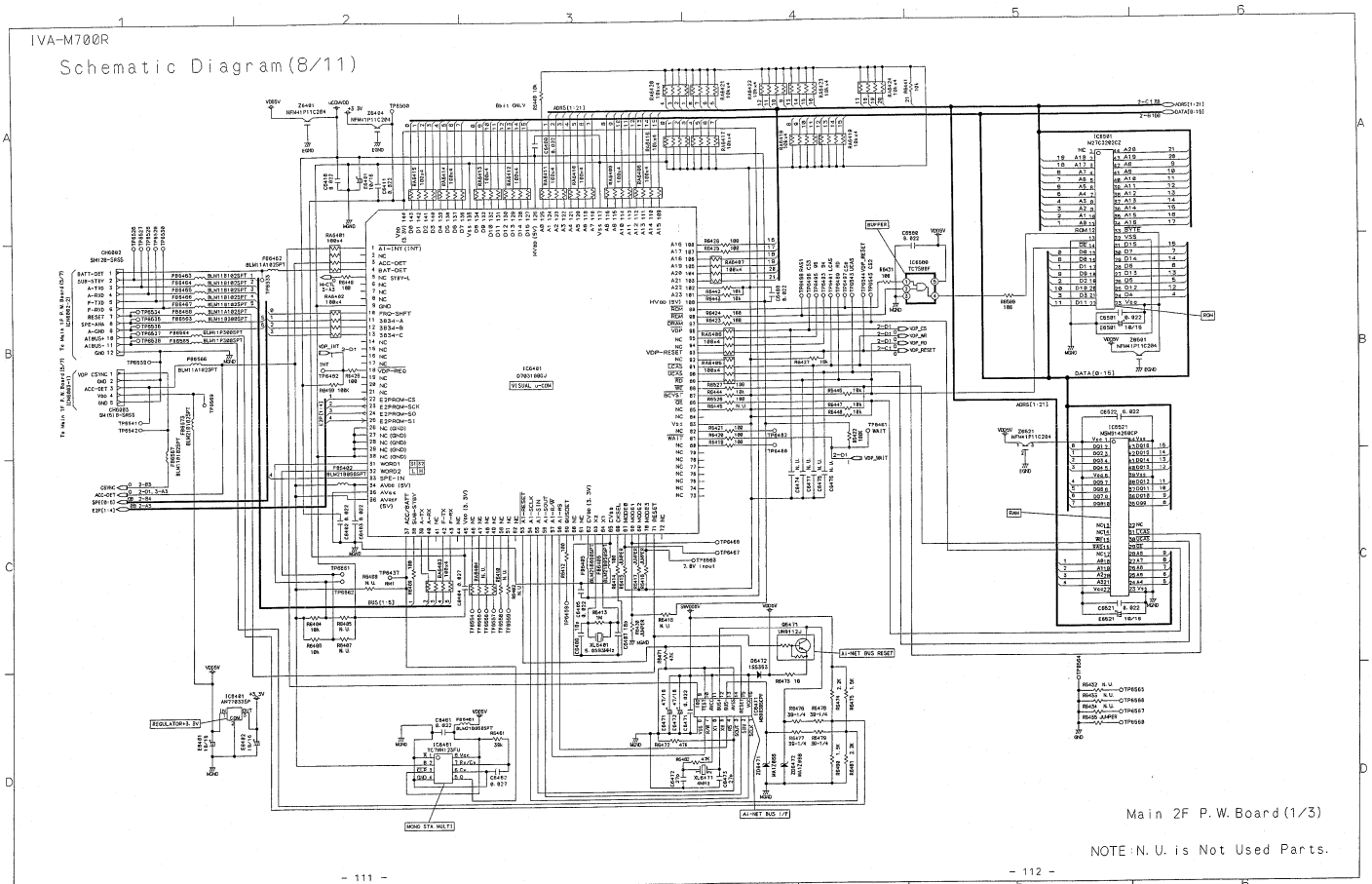
Main 1F P.W. Board (6/7)

NOTE: N.U. is Not Used Parts.

Schematic Diagram(7/11)



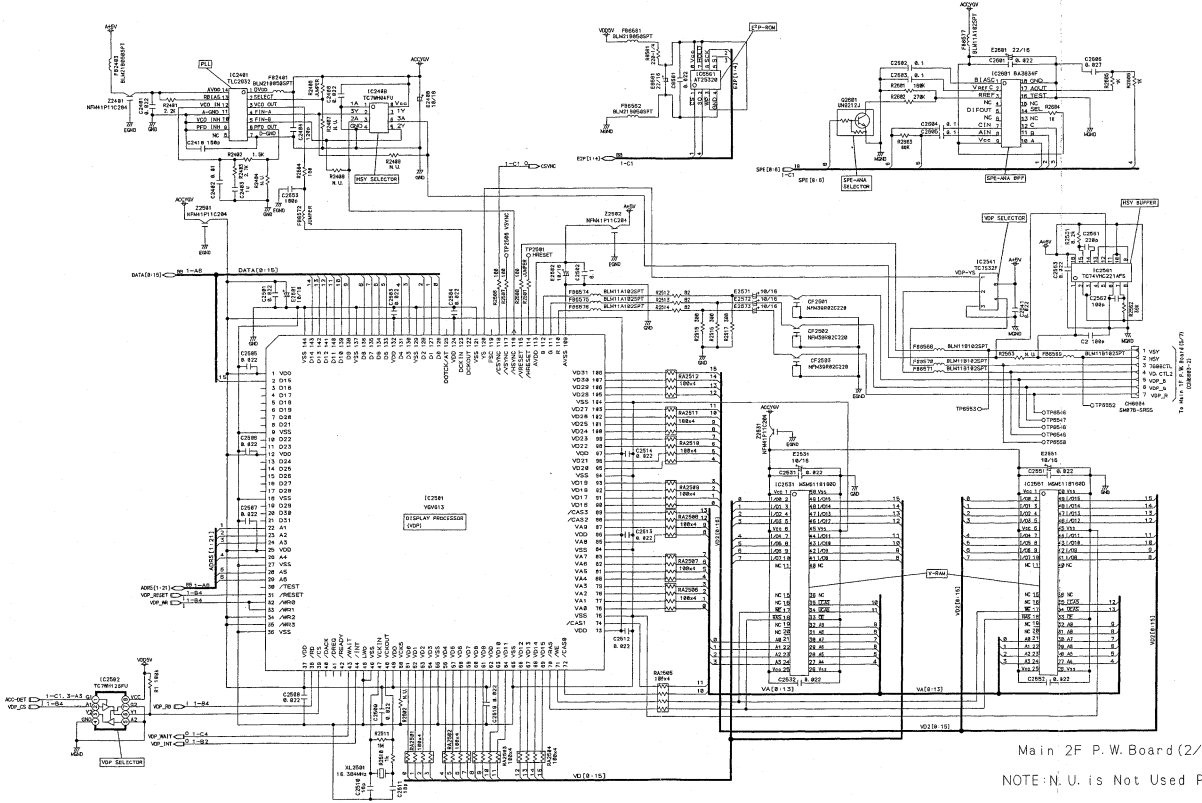
Schematic Diagram(8/11)



Main 2F P.W.Board(1/3)

NOTE:N.U. is Not Used Parts.

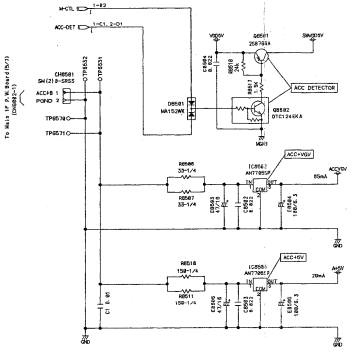
Schematic Diagram(9/11)

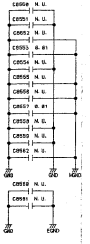


Main 2F P.W.Board(2/3)

NOTE:N.U.is Not Used Parts.

Schematic Diagram(10/11)

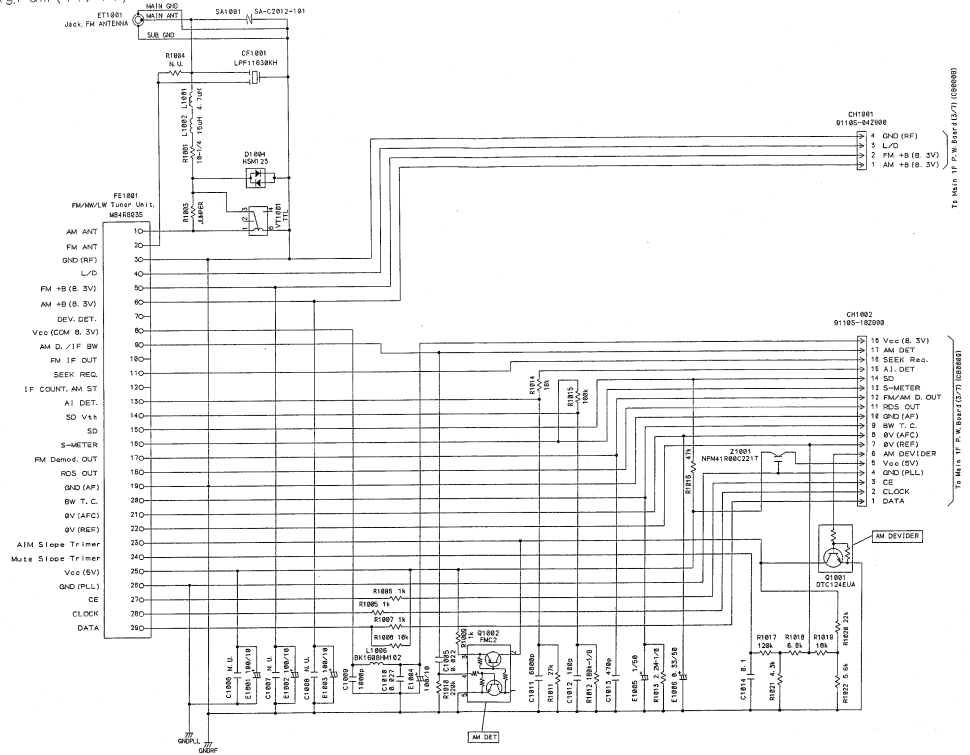




Main 2F P. W. Board (3/3)

NOTE : N. U. is Not Used Parts.

Schematic Diagram(11/11)



Radio P. W. Board

NOTE : N. U. is Not Used Parts.

Terminal Voltage of IC/TR

IC0001

1	4.9	21	–	41	–	61	GND	81	–
2	–	22	–	42	–	62	GND	82	0
3	GND	23	4.9	43	–	63	4.9	83	–
4	GND	24	–	44	–	64	4.9	84	GND
5	GND	25	–	45	4.9	65	–	85	4.5
6	2.1	26	–	46	4.9	66	0	86	
7	1.7	27	–	47	–	67	3.6	87	GND
8	GND	28	–	48	–	68	GND	88	GND
9	4.8	29	–	49	–	69	2.5	89	GND
10	–	30	–	50	4.9	70	0	90	GND
11	–	31	–	51	–	71	0	91	GND
12	–	32	–	52	–	72	3	92	GND
13	–	33	–	53	4.9	73	4.9	93	4.9
14	–	34	4.9	54	4.9	74	4.8	94	4.9
15	–	35	GND	55	4.9	75	0	95	–
16	–	36	GND	56	4.8	76	0	96	–
17	–	37	GND	57	4.8	77	–	97	4.9
18	–	38	GND	58	GND	78	0	98	–
19	–	39	–	59	GND	79	0	99	4.8
20	–	40	–	60	GND	80	3.8	100	–

IC0002

1	0.00
2	0.00
3	0.00
4	0.00
5	4.95
6	4.95
7	0.00
8	4.95

IC0020

1	0	11	0
2	0	12	0
3	0	13	2.4
4	2.33	14	4.8
5	2	15	0
6	0	16	2.4
7	4.8	17	2.4
8	4.8	18	0.5
9	4.9	19	2.4
10	4.9	20	2.4

IC0030

1	8.2
2	3.4
3	4.3
4	GND
5	6.5
6	4.8
7	8.2
8	8.25

IC0036

1	4.9
2	4.9
3	GND
4	8.2
5	8.2

IC1050

1	2.14
2	0.00
3	3.56
4	0.00
5	3.56
6	4.95
7	3.56
8	0.00
9	0.00
10	2.14
11	4.95
12	3.55
13	5.07
14	1.85
15	4.95
16	3.55

IC1060

1	2.14
2	0.00
3	3.55
4	0.00
5	3.55
6	4.96
7	3.55
8	0.00
9	0.00
10	2.15
11	4.96
12	3.54
13	5.06
14	1.85
15	4.96
16	3.54

IC1101

1	1.80
2	4.39
3	1.09
4	0.00
5	1.08
6	1.08
7	4.39
8	1.91
9	1.79
10	−0.01
11	1.90
12	4.39
13	5.07
14	1.78
15	−0.01
16	1.90

IC1116

1	3.13
2	0.02
3	1.74
4	0.00
5	1.74
6	1.74
7	0.02
8	3.12
9	3.29
10	0.27
11	3.28
12	0.02
13	5.07
14	3.13
15	0.00
16	3.19

IC1118

1	−0.01
2	4.63
3	4.68
4	−0.01
5	0.43
6	0.43
7	5.06
8	5.06

IC1119

1	4.68
2	0.01
3	0.01
4	0.01
5	4.39
6	4.68
7	4.50
8	5.06

IC1126

1	0.00
2	4.98
3	5.06
4	4.88
5	5.06
6	0.10
7	4.97
8	0.00
9	4.81
10	0.27
11	0.10
12	0.00
13	5.06
14	4.83
15	0.00
16	5.06

IC1140

1	5.06
2	5.06
3	2.52
4	2.52
5	2.53
6	0.00
7	2.50
8	2.49
9	2.50
10	2.51
11	2.50
12	2.51

IC2001

1	4.45
2	0.00
3	4.46
4	4.46
5	8.91

IC2002

1	4.46	8	4.45
2	4.45	9	4.45
3	4.45	10	4.45
4	4.45	11	4.46
5	8.91	12	0.00
6	8.91	13	0.00
7	0.00	14	8.91

IC2003

1	4.46	8	4.45
2	4.45	9	4.45
3	4.45	10	4.45
4	4.45	11	4.46
5	8.91	12	0.00
6	8.91	13	0.00
7	0.00	14	8.91

IC2004

1	0.08
2	0.08
3	0.09
4	0.00
5	2.33
6	2.37
7	7.14
8	8.24

IC2010

1	4.45
2	4.46
3	4.46
4	0.00
5	4.46
6	4.46
7	4.45
8	8.91

IC2030

1	4.46
2	4.46
3	4.45
4	0.00
5	4.45
6	4.46
7	4.46
8	8.91

IC2040

1	4.46
2	4.46
3	4.45
4	0.00
5	4.45
6	4.46
7	4.46
8	8.91

IC2050

1	4.46
2	4.47
3	4.46
4	0.00
5	4.46
6	4.47
7	4.46
8	8.91

IC2070			
1	4.95	13	4.46
2	0	14	4.46
3	4.47	15	8.84
4	4.47	16	4.47
5	4.47	17	4.47
6	4.46	18	4.41
7	4.41	19	4.46
8	4.47	20	4.47
9	8.86	21	4.47
10	4.46	22	4.47
11	4.46	23	8.92
12	4.46	24	4.95

IC2080			
1	4.41	15	4.45
2	4.41	16	4.45
3	4.41	17	4.95
4	4.41	18	4.94
5	4.40	19	4.94
6	4.44	20	0.00
7	4.40	21	8.91
8	4.44	22	3.78
9	4.45	23	3.78
10	4.41	24	3.78
11	4.41	25	3.78
12	0.11	26	4.45
13	0.03	27	4.43
14	3.50	28	4.45

IC2090			
1	0.00	14	714
2	0.00	15	7.14
3	7.32	16	7.21
4	4.92	17	7.31
5	7.32	18	0.00
6	14.33	19	7.30
7	7.27	20	14.32
8	0.00	21	7.30
9	7.30	22	0.00
10	7.23	23	7.31
11	7.13	24	0.00
12	7.15	25	—
13	0.00		

IC2101	
1	4.46
2	0.00
3	4.46
4	4.46
5	8.91

IC2110	
1	4.45
2	4.46
3	4.46
4	0.00
5	4.46
6	4.46
7	4.45
8	8.91

IC2120	
1	4.45
2	4.46
3	4.46
4	0.00
5	4.46
6	4.46
7	4.45
8	8.91

IC2200	
1	4.45
2	4.46
3	4.46
4	0.00
5	4.45
6	4.45
7	4.45
8	8.91

IC2401	
1	4.98
2	4.98
3	2.1
4	0.41
5	0.39
6	2.41
7	0
8	0
9	0
10	0
11	0
12	2.41
13	3.61
14	4.98

IC2408	
1	0
2	0.41
3	4.62
4	0
5	0.4
6	4.61
7	0
8	4.99

IC2501

1	4.98	30	4.94	59	0.17	88	4.35	117	4.93
2	0.88	31	4.83	60	1.99	89	4.35	118	4.53
3	4.94	32	4.91	61	1.7	90	1.5	119	2
4	4.94	33	4.91	62	4.98	91	1.6	120	1.4
5	4.94	34	4.98	63	1	92	0.94	121	0
6	4.94	35	4.98	64	0.17	93	0.54	122	3
7	4.94	36	0	65	0	94	0	123	2.27
8	4.94	37	4.98	66	1.9	95	1.6	124	4.98
9	0	38	1.1	67	1.7	96	1.44	125	1.4
10	4.92	39	4.8	68	1	97	4.98	126	1.74
11	4.92	40	4.94	69	0.2	98	1	127	1.7
12	4.98	41	4.98	70	3.5	99	0.48	128	1.9
13	4.92	42	1.21	71	4.98	100	1.68	129	0
14	4.92	43	4.84	72	4.33	101	1.39	130	1.5
15	4.92	44	2.4	73	4.98	102	0.9	131	0.96
16	4.92	45	0	74	4.32	103	0.5	132	4.98
17	4.92	46	0	75	0	104	0	133	1.89
18	0	47	2.35	76	1.82	105	1.55	134	1.97
19	4.92	48	2.4	77	1.8	106	1.5	135	1.44
20	4.92	49	4.98	78	0.4	107	0.96	136	1.85
21	4.92	50	4.94	79	0.56	108	0.5	137	0
22	—	51	1.7	80	2	109	0	138	2.54
23	—	52	1.7	81	1.9	110	1.68	139	2
24	—	53	1	82	0.2	111	1.78	140	1.79
25	4.98	54	0.17	83	3.5	112	1.77	141	1.6
26	—	55	0	84	0	113	4.98	142	1.6
27	0	56	1.99	85	0.2	114	4.94	143	2.4
28	—	57	1.7	86	4.98	115	5.2	144	0
29	—	58	1	87	0.25	116	4.61		

IC2502

1	4.76
2	4.88
3	0
4	0
5	0
6	4.89
7	0
8	4.89

IC2541

1	1.49
2	4.91
3	0
4	5
5	5

IC2531

1	4.98	26	0
2	2.2	27	2.3
3	2.2	28	2.3
4	1.32	29	0.39
5	0.2	30	3.73
6	4.98	31	0.2
7	2.14	32	0.35
8	2.23	33	0
9	1.12	34	4.41
10	0.2	35	4.44
11～14	0	36～39	1.6
15	0	40	0
16	0.9	41	1.97
17	5	42	2
18	3.8	43	1.1
19	0	44	0.2
20	0	45	0
21	1.95	46	2.13
22	1.96	47	2
23	0.6	48	1.1
24	0.72	49	0.2
25	5	50	0

IC2561

1	4.78
2	5
3	5
4	4.83
5	0
6	0
7	4.14
8	0
9	0
10	5
11	0
12	4.63
13	0
14	0
15	4.74
16	5

IC2551			
1	5	26	0
2	2.1	27	2.3
3	1.94	28	2
4	1.2	29	0.37
5	0.2	30	3.8
6	5	31	0.34
7	2	32	0.34
8	2	33	0
9	1.3	34	4.42
10	0.24	35	4.42
11	0	36	2
15	0	40	0
16	0	41	2.2
17	5	42	2.2
18	3.75	43	1.25
19	0	44	0.4
20	0	45	0
21	1.9	46	2.2
22	1.9	47	2.2
23	0.54	48	1.25
24	0.67	49	0.2
25	5	50	0

IC2601	
1	2.53
2	1.53
3	2.53
4	0
5	2.54
6	2.4
7	2.54
8	2.54
9	4.98
10	PS
11	PS
12	PS
13	0
14	4.88
15	0.62
16	0
17	0
18	0

IC3010	
1	4.46
2	4.47
3	4.46
4	0.00
5	4.46
6	4.47
7	4.46
8	8.91

IC3020	
1	4.46
2	4.47
3	4.46
4	0.00
5	4.46
6	4.47
7	4.46
8	8.91

IC3041	
1	4.46
2	0.00
3	4.46
4	4.46
5	8.91

IC3070	
1	4.47
2	4.47
3	4.46
4	0.00
5	4.46
6	4.47
7	4.47
8	8.91

IC3080			
1	4.46	9	8.90
2	4.44	10	8.90
3	4.47	11	8.89
4	4.47	12	4.46
5	4.45	13	4.46
6	0.00	14	4.46
7	0.01	15	4.46
8	0.00	16	8.91

IC3100	
1	4.48
2	4.48
3	4.45
4	0.00
5	4.46
6	4.48
7	4.48
8	8.91

IC3300	
1	4.46
2	4.46
3	4.46
4	0.00
5	4.46
6	4.47
7	4.46
8	8.91

IC3391			
1	3.79	9	8.89
2	3.57	10	8.89
3	4.46	11	4.46
4	4.46	12	3.80
5	3.80	13	4.46
6	0.00	14	3.81
7	0.00	15	3.57
8	0.00	16	8.91

IC3393			
1	3.49	9	8.89
2	0.00	10	8.89
3	0.00	11	8.89
4	0.00	12	4.46
5	3.48	13	4.47
6	0.00	14	4.46
7	0.00	15	4.06
8	0.00	16	8.91

IC3394			
1	3.49	9	8.89
2	0.00	10	8.89
3	0.00	11	8.89
4	0.00	12	4.46
5	3.48	13	4.47
6	0.00	14	4.47
7	0.00	15	4.06
8	0.00	16	8.91

IC5001	
1	4.94
2	4.94
3	4.95
4	0.00
5	4.94
6	4.94
7	4.95
8	4.95

IC5002			
1	4.79	9	4.94
2	4.79	10	0.00
3	4.81	11	0.00
4	4.79	12	4.93
5	4.79	13	4.93
6	0.00	14	4.93
7	0.00	15	4.79
8	0.00	16	4.94

IC6001									
1	0	21	0	41	4.91	61	0	81	4.94
2	0	22	0	42	0	62	0	82	0
3	0	23	4.94	43	4.91	63	0	83	0
4	0	24	4.76	44	0	64	0	84	0
5	0	25	0	45	0.86	65	0	85	0
6	0	26	0	46	0	66	0	86	4.9
7	0	27	0	47	0	67	0	87	4.92
8	0	28	5.08	48	4.91	68	0	88	0
9	4.93	29	0	49	4.81	69	0	89	0
10	2.63	30	0.75	50	4.88	70	0	90	0
11	2.63	31	0.71	51	4.88	71	0	91	4.92
12	0	32	0	52	0	72	0	92	4.92
13	3.71	33	0	53	0	73	0	93	4.9
14	2.94	34	2.16	54	0	74	0	94	0
15	4.93	35	2.12	55	4.88	75	0	95	0
16	4.85	36	4.94	56	4.92	76	4.91	96	0
17	4.88	37	0	57	0	77	0	97	4.93
18	4.89	38	0	58	0	78	0	98	4.93
19	0	39	0	59	0	79	4.93	99	4.93
20	0	40	4.89	60	0	80	0	100	4.93

NOTE : voltage less than 0.2V = 0V

IC6002	
1	0.00
2	0.00
3	0.00
4	0.00
5	2.48
6	2.48
7	4.95
8	4.94

IC6003	
1	4.91
2	4.95
3	0.00
4	0.00
5	—
6	0.00
7	0.00
8	4.95

IC6461	
1	0
2	4.76
3	4.89
4	0
5	0
6	0
7	0
8	4.89

IC6471	
1	4.88
2	4.99
3	4.99
4	4.81
5	0
6	0
7	4.2
8	0
9	0
10	4.99
11	4.99
12	4.61
13	0
14	0
15	4.73
16	4.99

IC6401									
1	4.87	30	0	59	0	88	4.75	117	0
2	0	31	0	60	0	89	1.08	118	2.35
3	4.78	32	0	61	0	90	4.75	119	3.3
4	4.85	33	0	62	3.34	91	4.75	120	2.25
5	4.88	34	4.77	63	1.55	92	0	121	2.4
6	4.89	35	0	64	1.6	93	4.86	122	2.34
7	0	36	4.77	65	0	94	0	123	2.41
8	0	37	0	66	0	95	0	124	2.24
9	0	38	4.88	67	0	96	4.87	125	0
10	PS	39	4.88	68	0	97	4.66	126	4.88
11	PS	40	4.93	69	0	98	4.88	127	—
12	PS	41	0	70	0	99	0.4	128	—
13	PS	42	4.88	71	4.93	100	4.88	129	—
14	0	43	4.93	72	0	101	0	130	—
15	0	44	0	73	0	102	0.24	131	—
16	0	45	3.34	74	0	103	0	132	—
17	0	46	0	75	0	104	0	133	—
18	0	47	0	76	0	105	3.3	134	—
19	0	48	0	77	0	106	3.2	135	0
20	0	49	0	78	0	107	1.56	136	—
21	0	50	0	79	0	108	3.42	137	—
22	4.89	51	0	80	2.21	109	4.29	138	—
23	0	52	0	81	4.83	110	3.3	139	—
24	0	53	4.88	82	4.8	111	2.66	140	—
25	0	54	7.88	83	0	112	0.89	141	—
26	0	55	0	84	0	113	2.8	142	—
27	0	56	0	85	0	114	1.9	143	—
28	0	57	4.88	86	4.76	115	1.8	144	3.34
29	0	58	4.88	87	3.84	116	3.5		

IC6501			
1	0	23	4.89
2	—	24	0.99
3	—	25	1.65
4	—	26	2
5	—	27	1.6
6	—	28	2.04
7	—	29	2.45
8	—	30	1.45
9	—	31	0.91
10	—	32	0
11	—	33	4.89
12	0	34	—
13	0	35	—
14	1.1	36	—
15	1.72	37	—
16	1.86	38	—
17	1.94	39	—
18	2.49	40	—
19	0	41	—
20	1.99	42	—
21	0	43	—
22	1.72	44	—

IC6521			
1	4.89	23	0
2	1.82	24	—
3	2	25	—
4	1.45	26	—
5	1.55	27	—
6	4.89	28	—
7	1	29	—
8	1.95	30	4.9
9	2.01	31	4.9
10	1.47	32	0
13	0	35	1.9
14	0	36	2.56
15	4.72	37	2.05
16	—	38	0.73
17	0	39	0
18	—	40	1.59
19	—	41	1.54
20	—	42	2.39
21	—	43	0.87
22	4.89	44	0

IC6561	
1	4.88
2	1.35
3	4.89
4	0
5	0
6	0
7	4.89
8	4.89

IC6580	
1	0.38
2	4.88
3	0
4	0.37
5	4.89

IC7001	
1	11.82
2	0.00
3	5.95

IC7002	
1	11.82
2	0.00
3	6.01

IC7011	
1	14
2	0
3	9

IC8002	
1	3.41
2	4.86
3	2.65
4	0.00
5	4.96
6	4.95
7	4.96
8	13.19

IC8401	
1	4.89
2	0
3	3.35

IC8502	
1(IN)	11.5
2(COM)	0
3(OUT)	5

IC8503	
1(IN)	11.17
2(COM)	0
3(OUT)	5

IC9001	
1	0.00
2	4.68
3	4.88
4	0.00
5	0.48
6	0.65
7	5.08
8	5.08

IC9002			
1	4.88	9	0.50
2	5.08	10	5.08
3	5.08	11	5.08
4	4.61	12	4.65
5	0.46	13	0.50
6	0.00	14	0.00
7	4.69	15	4.65
8	0.00	16	5.08

IC9003	
1	3.13
2	7.62
3	–
4	7.09
5	–0.09
6	0.00
7	5.07
8	–
9	0.02
10	0.02

IC9004							
1	2.45	13	3.18	25	3.93	37	2.12
2	3.22	14	4.29	26	2.11	38	2.19
3	2.53	15	2.62	27	3.14	39	0.00
4	0.83	16	3.18	28	2.11	40	2.29
5	0.00	17	0.00	29	1.79	41	2.28
6	3.04	18	0.00	30	2.14	42	2.29
7	3.42	19	3.89	31	2.06	43	5.08
8	0.92	20	3.93	32	2.02	44	1.31
9	1.94	21	3.87	33	0.00	45	2.62
10	1.94	22	3.93	34	0.46	46	2.46
11	1.83	23	7.62	35	0.64	47	3.18
12	2.74	24	3.88	36	2.46	48	2.78

IC9008	
1	0.02
2	0.00
3	0.02
4	0.00
5	5.08
6	5.01
7	5.06
8	5.08

IC9101			
1	0.00	13	–
2	3.03	14	–
3	3.01	15	1.68
4	3.02	16	1.77
5	–	17	4.01
6	2.58	18	–
7	5.07	19	5.06
8	3.80	20	1.43
9	–	21	1.63
10	4.57	22	1.66
11	–	23	1.67
12	5.07	24	0.00

IC9102	
1	–
2	2.53
3	0.00
4	2.58
5	5.07

IC9103	
1	4.93
2	4.93
3	0.00
4	4.93
5	4.94

IC9131	
1	2.10
2	1.64
3	1.28
4	1.42
5	1.45
6	0.00
7	5.06
8	2.23

Q0040	
B	5.00
C	0.00
E	0.00

Q0041	
1	4.8
2	0
3	GND

Q0061	
1	0.00
2	5.00
3	5.00
4	5.00
5	0.00

Q0111	
1	0
2	4.8
3	4.9
4	8.2
5	GND

Q1001	
E	0
B	5
C	0

Q1002	
1	0
2	5
3	5
4	8
5	0

Q1071	
1	GND
2	0
3	4.9

Q1072	
E	0
B	5
C	0

Q1110	
B	2.35
E	1.73
C	5.06

Q1111	
B	2.55
E	2.34
C	5.06

Q1112	
B	2.44
E	1.80
C	5.06

Q1120	
B	2.31
E	1.70
C	5.06

Q1121	
B	2.53
E	2.31
C	5.06

Q1122	
B	2.42
E	1.78
C	5.06

Q1130	
B	2.31
E	1.70
C	5.06

Q1131	
B	2.31
E	2.53
C	5.06

Q1132	
B	2.43
E	1.79
C	5.06

Q2061	
1	0.00
2	0.00
3	0.00
4	5.00
5	–
6	5.00

Q2062	
1	0.00
2	0.00
3	0.00
4	5.00
5	–
6	5.00

Q8023	
E	5.00
B	5.70
C	14.23

Q8024	
E	0.00
B	5.00
C	0.00

Q8025	
B	3.15
C	4.90
E	4.95

Q8026	
E	0.00
B	0.00
C	7.45

Q8027	
B	13.70
C	5.00
E	14.40

Q8028	
E	5.70
B	6.40
C	9.00

Q8030	
1	0.00
2	14.29
3	14.34
4	9.69
5	0.00

Q8031	
E	0.00
B	0.00
C	9.69

Q8032	
1	0.00
2	4.88
3	4.96
4	4.86
5	0.00

Q8033	
1	0.00
2	4.80
3	4.88
4	6.15
5	0.00

Q8034	
E	4.95
B	0.00
C	4.97

Q8035	
E	0.00
B	4.80
C	0.00

Q8101	
E	13.64
C	14.30
B	14.33

Q8102	
B	4.80
C	0.07
E	0.00

Q8501	
E	4.89
C	4.87
B	4.2

Q8502	
E	0
C	0
B	4.38

Q9001	
B	5.07
E	0.00
C	0.03

Q9002	
B	0.00
E	0.00
C	3.19

Q9003	
B	5.08
E	0.00
C	0.03

Q9004	
B	0.01
E	1.28
C	0.00

Q9005	
B	5.07
E	0.00
C	0.01

Q9006	
B	0.00
E	0.00
C	–

Q9007	
B	5.07
E	0.00
C	0.01

Q9008	
B	2.47
E	1.83
C	5.07

Q9009	
B	0.00
E	0.00
C	3.15

Q9012	
B	2.28
E	1.66
C	3.83

Q9013	
B	3.80
E	3.16
C	5.08

Q9014	
B	2.29
E	1.66
C	3.83

Q9015	
B	3.81
E	3.16
C	5.08

Q9016	
B	2.30
E	1.67
C	3.83

Q9017	
B	3.80
E	3.16
C	5.08

Q9018	
B	8.23
E	7.63
C	12.77

Q9051	
B	1.62
E	2.14
C	0.00

Q9052	
B	1.39
E	1.99
C	0.00

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Meter
- Measuring Point Reference : Between GND
- Measuring Condition : at POWER ON (connect Monitor Unit)

Description of IC Terminal

MB89689PF: IC0001

No.	Symbol	I/O	Terminal Description
1	V_{CC}	—	+5V Connection Terminal.
2	NC	—	No Connection Terminal.
3	X0A	—	GND Connection Terminal.
4	MOD0		
5	MOD1		
6	X0	O	Crystal Connection Terminal. (8MHz)
7	X1	I	
8	V_{SS}	—	GND Connection Terminal.
9	$\overline{RESET}$	I	Reset Signal Input Terminal. (RESET : L)
10	NC	—	No Connection Terminal.
↕			
22			
23	$\overline{AM\ ST}$	—	AM ST Signal Input Terminal. (Connection Pull-Down)
24	NC	—	No Connection Terminal.
↕			
33			
34	$\overline{DTS\text{-}MUTE}$	O	Tuner Mute Signal Output Terminal. (MUTE ON : L)
35	GND	—	GND Connection Terminal.
↕			
38			
39	NC	—	No Connection Terminal.
↕			
44			
45	R_XD	I	RDS Monitor Input Terminal. (Pull-Up Connection)
46	T_XD	O	RDS Monitor Output Terminal.
47	NC	—	No Connection Terminal.
↕			
49			
50	V_{CC}	—	V_{CC} Connection Terminal.
51	NC	—	No Connection Terminal.
52			
53	DTS CLK	I	Clock Signal Input Terminal from Main μ-COM.
54	DTS SI	I	Serial Input Terminal from Main μ-COM.
55	DTS SO	O	Serial Output Terminal to Main μ-COM.
56	RDS SDA	I/O	RDS I2C Data Input / Output Terminal.
57	RDS CLK	O	RDS I2C Clock Output Terminal.
58	GND	—	GND Connection Terminal.
59	V_{SS}	—	
60	GND	—	
↕			
62			

No.	Symbol	I/O	Terminal Description
63	E2P SDA	I/O	I2C Data Input / Output Terminal.
64	E2P CLK	O	I2C Clock Output Terminal.
65	NC	—	No Connection Terminal.
66	OPEN	—	Not Used.
67	$\overline{\text{SEEK Req.}}$	O	Seek Speed Control Terminal. (Tuner / / During SEEK : L)
68	GND	—	GND Connection Terminal.
69	$\overline{\text{AF HOLD}}$	O	AF Hold Output Terminal. (Tuner Set Up Hold : L)
70	NC	—	No Connection Terminal.
71	IF MUTE	O	IF Mute Control Terminal. (Pull-Up Connection)
72	FM / $\overline{\text{AM}}$	O	FM / AM Switching Terminal. (FM : H)
73	PLL CLK	O	PLL Clock Output Terminal.
74	PLL DATA	I/O	PLL Data Input / Output Terminal. (Pull-Up Connection)
75	PLL CE	O	PLL CE Output Terminal.
76	SEEK Req.	O	Seek Speed Control Terminal. (Tuner / During SEEK : H)
77	NC	—	No Connection Terminal.
78	SD	I	SD Input Terminal. (Tuner / Station ON : H)
79	$\overline{\text{PSWN}}$	I	Audio Signal Level Detection Terminal from RDS Decoder (SAA6588T). (No Station : L)
80	Auto Adj.	I	Auto Adjustment Terminal. (Auto Adjustment Start : L)
81	NC	—	No Connection Terminal.
82	LO / $\overline{\text{DX}}$	O	Local Seek / DX Seek Switching Terminal. (Tuner / Local Seek : H)
83	NC	—	No Connection Terminal.
84	AV_{SS}	—	GND Connection Terminal.
85	S / M	I	Field Strength Input Terminal. (A / D, Tuner)
86	M / P	I	Multi Path Detection Input Terminal. (A / D, SAA6588T)
87 ~ 92	GND	—	GND Connection Terminal.
93	AV_{CC}	—	V_{CC} Connection Terminal.
94	AVR		
95 ~ 96	NC	—	No Connection Terminal.
97	DTS STBY	I	Stand-by Input Terminal from Main μ-COM.
98	NC	—	No Connection Terminal.
99	DAVN	I	RDS Data Available Input Terminal. (SAA6588T)
100	NC	—	No Connection Terminal.

D78F4216GCA01 : IC5001

No.	Symbol	I/O	Terminal Description
1	A.SEL 2	O	Control output terminal for switching of main audio source.
2	A.SEL 3		
3	NAVI LEVEL 1	O	NAVI interrupt level control output terminal.
4	NAVI LEVEL 2		
5	NAVI LEVEL 3		
6	V.SEL REAR 1	O	Control output terminal for switching of visual source rear output.
7	V.SEL REAR 2		
8	V.SEL REAR 3		
9	V_{DD}	—	V_{DD} +5V connect terminal.
10	X2	—	X'tal connect terminal for main system clock OSC.
11	X1		
12	GND	—	GND connect terminal.
13	XT2	—	X'tal connect terminal for sub system clock OSC.
14	XT1		
15	$\overline{\text{RESET}}$	I	System reset signal input terminal.
16	BAT-DET	I	Compulsion stand-by detect input terminal.
17	A-STBY	I	Stand-by control input terminal from visual μ -com.
18	A-TM	I	Communication timing input terminal to visual μ -com.
19	NC (PULL-DOWN)	—	Pull-down connect terminal.
20	NC	—	No connect terminal.
21	IN INT	I	IN INT detect input terminal.
22	$\overline{\text{HAND PARK}}$	I	PARKING signal detect input terminal. (during stoppage : L)
23	AV_{DD}	—	V_{DD} +5V connect terminal.
24	$AV_{REF}0$		
25	FM/AM SM	I	FM / AM signal meter input terminal. (A / D)
26	NC (PULL-DOWN)	—	Pull-down connect terminal.
27			
28	$\overline{\text{NTS/PAL}}$	I	Input terminal to detect composite signal input type, NTSC or PAL.
29	NRGB	I	NAVI signal detect input terminal. (RGB : H , NTSC : L)
30	DISP CONT	I	NAVI connecting detect terminal.
31	GUID CONT	I	NAVI guide interrupt detect terminal.
32	$\overline{\text{FOOT PARK}}$	I	PARKING signal detect input terminal. (during stoppage : L)
33	GND	—	GND connect terminal.
34	COLOR	O	COLOR adjustment signal output terminal.
35	TINT	O	TINT adjustment signal output terminal.
36	$AV_{REF}1$	—	V_{DD} +5V connect terminal.
37	NC	—	No connect terminal.
∫			
39			
40	A-RxD	I	Command input terminal from visual μ -com.

No.	Symbol	I/O	Terminal Description
41	A-TxD	O	Status output terminal to visual μ -com.
42	NC	—	No connect terminal.
43	REM SEL 3	O	Control output terminal for switching of NAVI remote control output signal.
44	A.MUTE	O	Audio mute output terminal.
45	T-STS	I	Status input terminal of DTS μ -com.
46	T-CMD	I	Command output terminal to DTS μ -com.
47	T-CLK	O	Communication clock output terminal of DTS μ -com.
48	P.IC CONT	O	Power IC stand-by control terminal.
49	P.CONT	O	Power supply control terminal.
50	OUT REM	O	OUT-REM output terminal.
51	P.ANT	O	P.ANT control terminal.
52	V.SEL 1	O	Control output terminal for switching of visual main source.
53	V.SEL 2		
54	V.SEL 3		
55	V.CTL 1		
56	V.CTL 2		
57	REM SEL 1	O	Control output terminal for switching of outer remote control output.
58	REM SEL 2		
59	NC (PULL-DOWN)	—	Pull-down connect terminal.
60 ∫ 71	NC	—	No connect terminal.
72	V_{SS}	—	GND connect terminal.
73	A.SEL REAR 1	O	Control output terminal for switching of rear audio source.
74	A.SEL REAR 2		
75	AUX MUTE	O	AUX OUT mute output terminal.
76	T-MUTE	I	Mute signal input terminal from DTS μ -com.
77	T-STBY	O	STBY control output terminal to DTS μ -com.
78	FM/AM PLL DATA	I/O	FM / AM PLL serial data input / output terminal.
79	FM/AM PLL CLK	O	FM / AM PLL serial clock output terminal.
80	FM/AM PLL CE	O	FM / AM PLL CE control output terminal.
81	V_{DD}	—	V_{DD} +5V connect terminal.
82	NC	—	No connect terminal.
83	AM DEVIDER	O	AM devider control terminal.
84	FM/AM SD	I	FM / AM SD signal input terminal.
85	FM/AM SEEK REQ	O	FM / AM SEEK REQ signal control terminal.
86	REM-OUT	O	Remote control output terminal.
87	FM AF HOLD	O	FM / AM AF HOLD signal output terminal.
88	FM NARROW	O	FM bandwidth switching control output terminal.
89	FM/AM LO/DX	O	FM / AM LO / DX control output terminal. (LOCAL : H)

No.	Symbol	I/O	Terminal Description
90	A.SEL 1	O	Control output terminal of switching for main audio source.
91	AUTO ADJ	I	FM-SM and AM-SD auto adjustment start input terminal.
92	FM/AM SEEK REQ	O	FM / AM SEEK REQ signal control terminal.
93	FM/AM	O	FM / AM Power supply control terminal.
94	TEST/Vpp	—	GND connect terminal.
95	NC (PULL-DOWN)	—	Pull-down connect terminal.
96	NC	—	No connect terminal.
97	E2PROM CLK	O	E2PROM serial clock output terminal.
98	E2PROM DATA	I/O	E2PROM serial data input / output terminal.
99	ELE VOL CLK	O	Electrical volume serial clock output terminal.
100	ELE VOL DATA	I/O	Electrical volume serial data input / output terminal.

D703100GJ : IC6401

No.	Symbol	I/O	Terminal Description
1	AI-INT (INT)	I	AI-BUS-IC interrupt continuity input terminal. (INT)
2	NC	—	No connect terminal.
3	ACC-DET	I	ACC power supply detect input terminal. (INT)
4	BAT-DET	I	BATT voltage detect input terminal. (INT)
5	NC STBY=L	—	No connect terminal.
6	NC		
7			
8			
9	GND	—	GND connect terminal.
10	FRQ-SHFT	O	Frequency shift control terminal to SPE-ANA IC.
11	3834-A	O	Output select control terminal to SPE-ANA IC.
12	3834-B		
13	3834-C		
14	NC	—	No connect terminal.
15			
16			
17			
18	VDP-REQ	I	VDP interruption request input terminal. : By VDP (INT)
19	NC	—	No connect terminal.
20			
21			
22	E2PROM-CS	O	E2PROM chip select signal terminal.
23	E2PROM-SCK	O	E2PROM serial clock output terminal.
24	E2PROM-SO	O	E2PROM serial data output terminal.
25	E2PROM-SI	I	E2PROM serial data input terminal.

No.	Symbol	I/O	Terminal Description
26 ∫ 30	NC (GND)	—	GND connect terminal.
31	WORD 1	I	Distination ID input terminal.
32	WORD 2		
33	SPE-IN	I	Level input terminal from SPE-ANA IC. (A / D)
34	AV_{DD} (5V)	—	+B (5V) connect terminal.
35	AV_{SS}	—	GND connect terminal.
36	AV_{REF} (5V)	—	+B (5V) connect terminal.
37	ACC/BATT	I	ACC / BATT voltage input terminal.
38	SUB-STBY	O	Stand-by control output terminal of sub μ -com.
39	A-TX	O	Command output terminal to audio μ -com.
40	A-RX	I	Status input terminal from audio μ -com.
41	NC	—	No connect terminal.
42	F-TX	O	Command output terminal to front μ -com.
43	F-RX	I	Status input terminal from front μ -com.
44	NC	—	No connect terminal.
45	V_{DD} (3.3V)	—	+B (3.3V) connect terminal.
46 ∫ 52	NC	—	No connect terminal.
53	$\overline{\text{AI-RESET}}$	O	RESET signal output terminal to AI BUS-IC.
54	AI-SCLK	O	RESET communication sync. signal output terminal to AI BUS-IC.
55	AI-SIN	I	Serial data signal input terminal from AI BUS-IC.
56	AI-SOUT	O	Serial data signal output terminal to AI BUS-IC.
57	AI-R/$\overline{W}$	O	Read / write select signal output terminal to AI BUS-IC.
58	AI-RS	O	Register select signal output terminal to AI BUS-IC.
59	BUSDET	I	Keep in communication detect input terminal from AI BUS-IC.
60	NC	—	No connect terminal.
61			
62	CV_{DD} (3.3V)	—	+B (3.3V) connect terminal.
63	X2	—	Main clock connect terminal. (Inside active : 29.3MHz)
64	X1		
65	CV_{SS}	—	GND connect terminal.
66	CKSEL	I	Clock generator active mode appointment input terminal. L : PLL mode, H : Direct mode (Pull-down connect)
67	MODE0	I	μ -com active mode appointment terminal. : μ PD703100ROM less mode 0 (L : GND connect)
68	MODE1		
69	MODE2		
70	MODE3		
71	RESET	I	Reset input terminal.

No.	Symbol	I/O	Terminal Description
72	NC	—	No connect terminal.
⋮			
80			
81	$\overline{WAIT}$	I	BUS WAIT input terminal. : By VDP
82	NC	—	No connect terminal.
83	V_{SS}	—	GND connect terminal.
84	NC	—	No connect terminal.
85			
86	$\overline{OE}$	O	DRAM output enable terminal. : By DRAM
87	$\overline{BCYST}$	O	BUS strobe output terminal. : By ROM
88	$\overline{WE}$	O	DRAM write enable terminal. : By DRAM
89	$\overline{RD}$	O	BUS read strobe output terminal. : By ROM, VDP
90	$\overline{UCAS}$	O	DRAM highest position data byte control output terminal. : By DRAM
91	$\overline{LCAS}$	O	DRAM lowest position data byte control / VDP write enable output terminal. : By DRAM, VDP
92	NC	—	No connect terminal.
93	VDP-$\overline{RESET}$	O	VDP reset output terminal. : By VDP
94	NC	—	No connect terminal.
95			
96	$\overline{VDP}$	O	Chip select terminal. (VDP assignment) : By VDP
97	$\overline{DRAM}$	O	Low address strobe terminal. (DRAM assignment) : By DRAM
98	$\overline{ROM}$	O	Chip select terminal. (ROM assignment) : By ROM
99			
100	HV_{DD} (5V)	—	+B (5V) connect terminal.
101	A23	O	Address output terminal.
102	A22		
103	A21		
104	A20		Address output terminal. : By ROM
105	A19		
106	A18		
107	A17		
108	A16		
109	A15		
110	A14		
111	A13		
112	A12		
113	A11		
114	A10		
115	A9		Address output terminal. : By DRAM, ROM
116	A8		
117	V_{SS}	—	GND connect terminal.

No.	Symbol	I/O	Terminal Description
118	A7	O	Address output terminal. : By DRAM, ROM
119	A6		
120	A5		Address output terminal. : By DRAM, ROM, VDP
121	A4		
122	A3		
123	A2		
124	A1		
125	A0		
126	HV_{DD} (5V)	—	+B (5V) connect terminal.
127	D15	I/O	Data BUS input / output terminal. : By DRAM, ROM, VDP
128	D14		
129	D13		
130	D12		
131	D11		
132	D10		
133	D9		
134	D8		
135	V_{SS}	—	GND connect terminal.
136	D7	I/O	Data BUS input / output terminal. : By DRAM, ROM, VDP
137	D6		
138	D5		
139	D4		
140	D3		
141	D2		
142	D1		
143	D0		
144	V_{DD} (3.3V)	—	+B (3.3V) connect terminal.

Electrical Parts List

Capacitor : μF=microfarads,pF=picofarads

Abbreviations

RES. = Resistor
C. F. = Carbon Film
M. F. = Metal Film
M. O. = Metal OxideFilm
M. P. = Metal Plate
TR. = Transistor
TRANS. = Transformer
CP. = Chip

CAP. = Capacitor
ELY. = Electrolytic
CER. = Ceramic
MYL. = Mylar
TAN. = Tantalum
POLY. = Polystyrol
PP. = Polypropylene
PLT. = Polyethylene
PE. = Polyester Film

Symbol No.	Part No.	Description
Main 1F P.W.Board		
IC's		
IC0001	51T15161Y02	IC MB88689PF
IC0002	51T25160Y01	M24C04-WMN6T -SE2
IC0020	51T15132Y02	SAA6588T -SE9
IC0030	51T93332F01	IC NJM2903M-TE3 -SE2
IC0036	51T15731W10	TC7S66F-TE85L -CP
IC1050	51T15444Y02	BA7628FS-E2 -SE5
IC1050	51T15444Y02	BA7628FS-E2 -SE5
IC1101	51T15549Y01	NJM2286V-TE1 -SE2
IC1116	51T25407Y02	BA7606FS-E2 -SE5
IC1118	51T35123Y01	TC7W14FK-TE85L -CP
IC1119	51T25404Y02	TC7W53FU-TE12L -SE1
IC1126	51T15457Y01	TC74HC4538AFT-EL-SE5
IC1140	51T25518Y02	TK15402M-L -SE2
IC2001	51T15605Y01	NJM2130F-TE1 -CP
IC2002	51T25612Y01	TC4066BFT-EL -SE5
IC2003	51T25612Y01	TC4066BFT-EL -SE5
IC2004	51T93333F02	NJM2904V-TE2 -SE2
IC2010	51T25575W07	NJM4580V-TE2 -SE2
IC2030	51T25576W07	NJM4580V-TE2 -SE2
IC2040	51T25576W07	NJM4580V-TE2 -SE2
IC2050	51T25576W07	NJM4580V-TE2 -SE2
IC2070	51T15168Y01	TEA6324T-A -SE9
IC2080	51T15404Y01	TDA7461D -SEC
IC2090	51T15021Y01	TDA7386 -ZS
IC2101	51T15605Y01	NJM2130F-TE1 -CP
IC2110	51T25576W07	NJM4580V-TE2 -SE2
IC2120	51T25576W07	NJM4580V-TE2 -SE2
IC2200	51T25576W07	NJM4580V-TE2 -SE2
IC3010	51T25576W07	NJM4580V-TE2 -SE2
IC3020	51T25576W07	NJM4580V-TE2 -SE2
IC3041	51T15605Y01	NJM2130F-TE1 -CP
IC3070	51T25576W07	NJM4580V-TE2 -SE2
IC3080	51T25460Y01	TC4051BFT-EL -SE5
IC3100	51T25576W07	NJM4580V-TE2 -SE2
IC3300	51T25576W07	NJM4580V-TE2 -SE2
IC3391	51T25611Y01	TC4052BFT-EL -SE5
IC3393	51T25460Y01	TC4051BFT-EL -SE5
IC3394	51T25460Y01	TC4051BFT-EL -SE5
IC5001	51T35122Y01	TC7W08FU-TE12L -SE1
IC5002	51T25460Y01	TC4051BFT-EL -SE5
IC6001	51T25354Y18	MTP,D78F4216GCA01
IC6002	51T95552W01	HA12187FP-EL -SE2
IC6003	51T25422Y02	TC7W04FK-TE85L -CP
IC7001	51T75191W04	AN7705F -NB
IC7002	51T75191W04	AN7706F -NB
IC7011	51T25045Y04	AN7709SP-TX -NE5
IC8002	51T85450W01	TDA3606 -SE2
IC9001	51T25422Y02	TC7W04FK-TE85L -CP
IC9002	51T25151Y01	TC74VHC221AFS-EL-SE5
IC9003	51Q31040Y01	LA7950
IC9004	51T95022W02	IR3Y29BM -QT
IC9008	51T35123Y01	TC7W14FK-TE85L -CP
IC9101	51T25239Y01	CXA2075M-T6 -SE9
IC9102	51T35229W01	IC ,TC7SU04F -CP
IC9103	51T15731W06	TC7S08F-TE85L -CP
IC9131	51T25518Y08	TK15408M-L -SE2
Transistors		
Q0040	48T62967F03	TR,DTC124EKA-T146-CP
Q0041	48T62967F03	TR,DTC124EKA-T146-CP
Q0061	48T73888F12	TR , CP. FMC2-99
Q0111	48T73886F13	TR , CP. FMC3-99
Q1071	48T94606F03	TR,DTC124EUA-T106-CP
Q1072	48T94606F03	TR,DTC124EUA-T106-CP
Q1110	48T15656Y01	TR,2SC4617-TL -CP
Q1111	48T15656Y01	TR,2SC4617-TL -CP
Q1112	48T15656Y01	TR,2SC4617-TL -CP
Q1120	48T15656Y01	TR,2SC4617-TL -CP
Q1121	48T15656Y01	TR,2SC4617-TL -CP
Q1122	48T15656Y01	TR,2SC4617-TL -CP
Q1130	48T15656Y01	TR,2SC4617-TL -CP
Q1131	48T15656Y01	TR,2SC4617-TL -CP
Q1132	48T15656Y01	TR,2SC4617-TL -CP
Q2061	48T25317Y01	TR,XN0F256-TX -CP
Q2062	48T25317Y01	TR,XN0F256-TX -CP
Q2063	48T25317Y01	TR,XN0F256-TX -CP
Q2101	48T62967F08	TR,DTC114TKA-T146-CP
Q3391	48T25317Y01	TR,XN0F256-TX -CP
Q5011	48T15656Y01	TR,2SC4617-TL -CP

Symbol No.	Part No.	Description
Q6101	48T73888F08	TR , CP. FMG1-99
Q6102	48T73888F08	TR , CP. FMG1-99
Q6103	48T73888F08	TR , CP. FMG1-99
Q6104	48T73888F08	TR , CP. FMG1-99
Q7011	48T15511W02	CP. 2SB1261-TE2 -E5
Q7012	48T94606F09	TR. DTC143XUA-T106-CP
Q8002	48T94606F08	TR. DTC143EUA-T106-CP
Q8006	48T84366F04	TR. 2SB1243-QR-TV2-RD
Q8007	48T62967F05	TR. DTC143XKA-T146-CP
Q8008	48T63420F01	TR. 2SA1037AK-146 -CP
Q8009	48T84366F04	TR. 2SB1243-QR-TV2-RD
Q8010	48T84366F04	TR. 2SB1243-QR-TV2-RD
Q8011	48T62967F03	TR. DTC124EKA-T146-CP
Q8012	48T94606F08	TR. DTC143EUA-T106-CP
Q8013	48T94606F08	TR. DTC143EUA-T106-CP
Q8016	48T73888F12	TR , CP. FMC2-99
Q8018	48T62967F03	TR. DTC124EKA-T146-CP
Q8019	48T62966F01	TR. DTA143EKA-T146-CP
Q8020	48T52437F01	TR . 2SB709A-QR/TX-CP
Q8021	48T64221F13	TR. UN211H-TX -CP
Q8022	48T92368F01	TR. 2SD1760 F-5. T2-E5
Q8023	48T52438F01	TR . 2SD601A-RS/TX-CP
Q8024	48T64222F01	TR . UN2211 10-10 -TX
Q8025	48T62966F01	TR. DTA143EKA-T146-CP
Q8026	48T94606F03	TR. DTC124EUA-T106-CP
Q8027	48T75601W01	TR. 2SB1417-P -RD
Q8028	48T52438F01	TR . 2SD601A-RS/TX-CP
Q8030	48T73888F12	TR , CP. FMC2-99
Q8031	48T94606F03	TR. DTC124EUA-T106-CP
Q8032	48T73888F12	TR , CP. FMC2-99
Q8033	48T73888F12	TR , CP. FMC2-99
Q8034	48T94606F59	TR. DTA143XUA-T106-CP
Q8035	48T94606F06	TR. DTC114EUA-T106-CP
Q8101	48T84366F04	TR. 2SB1243-QR-TV2-RD
Q8102	48T62967F05	TR. DTC143XKA-T146-CP
Q9001	48T25137Y02	TR. UN9212J-TX -CP
Q9002	48T25137Y02	TR. UN9212J-TX -CP
Q9003	48T63417F01	TR. CP. 2SC2412K -96
Q9004	48T15657Y01	TR. 2SA1774-TL -CP
Q9005	48T25137Y03	TR. UN9213J-TX -CP
Q9006	48T25137Y03	TR. UN9213J-TX -CP
Q9007	48T25137Y03	TR. UN9213J-TX -CP
Q9008	48T15656Y01	TR. 2SC4617-TL -CP
Q9009	48T25137Y03	TR. UN9213J-TX -CP
Q9012	48T15656Y01	TR. 2SC4617-TL -CP
Q9013	48T15656Y01	TR. 2SC4617-TL -CP
Q9014	48T15656Y01	TR. 2SC4617-TL -CP
Q9015	48T15656Y01	TR. 2SC4617-TL -CP
Q9016	48T15656Y01	TR. 2SC4617-TL -CP
Q9017	48T15656Y01	TR. 2SC4617-TL -CP
Q9018	48T73023F01	TR . 2SD874A -E2
Q9051	48T15657Y01	TR. 2SA1774-TL -CP
Q9052	48T15657Y02	TR. 2SA1774-Q-TL -CP

Diodes

Symbol No.	Part No.	Description
D0001	48T25564Y01	DIO. MA113-TX -CP
D2061	48T15706Y01	DIO. MA132WA-TX -CP
D2062	48T15706Y01	DIO. MA132WA-TX -CP
D2063	48T15706Y01	DIO. MA132WA-TX -CP
D3001	48T15706Y01	DIO. MA132WA-TX -CP
D8004	48T25564Y01	DIO. MA113-TX -CP
D8001	48T25210Y01	DIO. DSM1MA4 -E1
D8002	48T25210Y01	DIO. DSM1MA4 -E1
D8003	48T25210Y01	DIO. DSM1MA4 -E1
D8004	48T25210Y01	DIO. DSM1MA4 -E1
D8006	48T25210Y01	DIO. DSM1MA4 -E1
D8007	48T25210Y01	DIO. DSM1MA4 -E1
D8008	48T25210Y01	DIO. DSM1MA4 -E1
D8009	48T25210Y01	DIO. DSM1MA4 -E1
D8010	48T25210Y01	DIO. DSM1MA4 -E1
D8012	48T25210Y01	DIO. DSM1MA4 -E1
D8013	48T25564Y01	DIO. MA113-TX -CP
D8014	48T85357W01	DIO. 1PS226 -CP
D8015	48T25564Y01	DIO. MA113-TX -CP
D8017	48T63462F01	DIO. CP. DAN202K -96
D8018	48T63462F01	DIO. CP. DAN202K -96
D9001	48T25210Y01	DIO. DSM1MA4 -E1
D9002	48T25564Y01	DIO. MA113-TX -CP
ZD5001	48T75629W13	DIO. ZEN UZMAG. 2 -CP
ZD5011	48T84735F07	DIO. ZEN. MA3056-L -CP
ZD8001	48T25064Y02	DIO. ZEN ZSM5MA27A-ED
ZD8002	48T25766W13	DIO. ZEN. HZS 7B1L -R5
ZD8003	48T25766W03	DIO. ZEN. HZS 6A3L -R5
ZD8021	48T25766W03	DIO. ZEN. HZS 6A3L -R5
ZD9001	48T25766W20	DIO. ZEN. HZS 9A2L -R5
ZD9112	48T84735F07	DIO. ZEN. MA3056-L -CP
ZD9113	48T84735F07	DIO. ZEN. MA3056-L -CP
ZD9114	48T84735F07	DIO. ZEN. MA3056-L -CP
ZD9115	48T84735F07	DIO. ZEN. MA3056-L -CP
ZD9119	48T84735F07	DIO. ZEN. MA3056-L -CP
ZD9120	48T84735F07	DIO. ZEN. MA3056-L -CP

Filters/Relay

L0901	91T15509Y08	EMI. BK1608HM102 -CP

Symbol No.	Part No.	Description
L6001	91T15509Y08	EMI, BK1608HM102 -CP
L6002	91T15509Y08	EMI, BK1608HM102 -CP
L6003	91T15509Y08	EMI, BK1608HM102 -CP
L8002	91T15509Y08	EMI, BK1608HM102 -CP
L8003	91T15509Y08	EMI, BK1608HM102 -CP
L8004	91T15509Y08	EMI, BK1608HM102 -CP
L8005	91T15509Y08	EMI, BK1608HM102 -CP
VT9002	91T45126M02	TRP, NLT4532T-S4R4-E2
VT9003	91T45126M01	TP, NLT4532T-S3R6B-E1
RL9001	80T25747M04	RELAY, A-SW-K-OH -DB
Crystals		
XL0001	91T55371M44	XTL, AT-51 7.372MM-EA
XL0002	91T55371M18	XTL, AT-51 4.332M -EA
XL6001	91T55371M01	XTL, AT-51GW 12.28-EA
XL6002	91T95554M01	XTL, CM200S 32.76K-E5
XL9001	91T35088Y03	XTL, AT-49 3.5795M-R5
XL9002	91T35088Y02	XTL, AT-49 4.4336M-R5
XL9034	91T45118M03	XTL, AT-51 3.579545 +
Coils		
L1101	24T75196M26	IND, LFC32 1R0J -CP
L8001	24T75056M08	CHOKE, SA10HA-452JA +
VT9001	24T65189M01	COL, FIL TV 5P +
Switches		
SW2001	40T15452Y01 (NORM/(EQ/D	SW, SLIDE SLD-62-724X IVI)
SW2002	40T15452Y01 (NORM/(EQ/D	SW, SLIDE SLD-62-724X IVI)
Capacitors		
C0001	08S45676W80	CAP, CER 223K-B1E -CP
C0002	08S45677W18	CAP, CER, 18RJ-CH1H-CP
C0003	08S45677W18	CAP, CER, 18RJ-CH1H-CP
C0020	08S45676W80	CAP, CER 223K-B1E -CP
C0021	08S45677W54	CAP, CER 561J-CH1H-CP
C0022	08S45676W85	CAP, CER 104K-B1C -CP
C0024	08S45676W48	CAP, CER 331J-SL1H-CP
C0026	08S45676W65	CAP, CER, 222K-B1H -CP
C0029	08S45676W73	CAP, CER, 103K-B1H -CP
C0032	08T25191Y05	CAP, CER 335K-B1A -CP

Symbol No.	Part No.	Description
C0033	08S45676W65	CAP, CER, 222K-B1H -CP
C0034	08S45677W22	CAP, CER, 27RJ-CH1H-CP
C0035	08S45677W22	CAP, CER, 27RJ-CH1H-CP
C0041	08S45676W80	CAP, CER 223K-B1E -CP
C1050	08S45676W80	CAP, CER 223K-B1E -CP
C1053	08T81833F10	CAP, CER 106K-B0J -CP
C1054	08S45676W85	CAP, CER 104K-B1C -CP
C1060	08S45676W80	CAP, CER 223K-B1E -CP
C1063	08T81833F10	CAP, CER 106K-B0J -CP
C1065	08T81833F10	CAP, CER 106K-B0J -CP
C1071	08S45676W86	CAP, CER 273K-B1E -CP
C1072	08T55390W29	CAP, TF 104J-1H -R5
C1073	08S45676W67	CAP, CER, 332K-B1H -CP
C1074	08T55390W29	CAP, TF 104J-1H -R5
C1075	08S45676W62	CAP, CER, 122J-SL1H-CP
C1077	08S45676W85	CAP, CER 104K-B1C -CP
C1078	08S45676W85	CAP, CER 104K-B1C -CP
C1079	08S45676W85	CAP, CER 104K-B1C -CP
C1080	08S45677W60	CAP, CER 102J-CH1H-CP
C1101	08S45676W80	CAP, CER 223K-B1E -CP
C1102	08T81833F08	CAP, CER 475K-B1A -CP
C1103	08T81833F08	CAP, CER 475K-B1A -CP
C1104	08T81833F08	CAP, CER 475K-B1A -CP
C1105	08S45676W85	CAP, CER 104K-B1C -CP
C1106	08S45676W85	CAP, CER 104K-B1C -CP
C1111	08S60102F48	CAP, CER 105K-B1E -CP
C1112	08T81833F08	CAP, CER 475K-B1A -CP
C1116	08S45676W80	CAP, CER 223K-B1E -CP
C1118	08S45676W80	CAP, CER 223K-B1E -CP
C1119	08S45676W80	CAP, CER 223K-B1E -CP
C1121	08S60102F48	CAP, CER 105K-B1E -CP
C1122	08T81833F08	CAP, CER 475K-B1A -CP
C1126	08S45676W80	CAP, CER 223K-B1E -CP
C1127	08S45677W60	CAP, CER 102J-CH1H-CP
C1128	08S45677W60	CAP, CER 102J-CH1H-CP
C1131	08S60102F48	CAP, CER 105K-B1E -CP
C1132	08T81833F08	CAP, CER 475K-B1A -CP
C1140	08S45676W80	CAP, CER 223K-B1E -CP
C1141	08T81833F08	CAP, CER 475K-B1A -CP
C1142	08T81833F10	CAP, CER 106K-B0J -CP
C1145	08T81833F08	CAP, CER 475K-B1A -CP
C1146	08T81833F10	CAP, CER 106K-B0J -CP
C1149	08T81833F10	CAP, CER 106K-B0J -CP
C1150	08T81833F08	CAP, CER 475K-B1A -CP
C2003	08S45677W21	CAP, CER 24RJ-CH1H-CP
C2004	08S45677W21	CAP, CER 24RJ-CH1H-CP
C2005	08S45676W80	CAP, CER 223K-B1E -CP
C2011	08S45676W87	CAP, CER 333K-B1E -CP
C2012	08S45676W70	CAP, CER 562K-B1H -CP

Symbol No.	Part No.	Description
C2013	08S45676W73	CAP, CER. 103K-B1H -CP
C2014	08S45676W87	CAP, CER. 333K-B1E -CP
C2015	08S45676W70	CAP, CER. 562K-B1H -CP
C2021	08S45677W12	CAP, CER. 10RD-CH1H-CP
C2031	08S45677W25	CAP, CER. 36RJ-CH1H-CP
C2032	08S45677W25	CAP, CER. 36RJ-CH1H-CP
C2035	08S45677W25	CAP, CER. 36RJ-CH1H-CP
C2036	08S45677W25	CAP, CER. 36RJ-CH1H-CP
C2041	08S45677W25	CAP, CER. 36RJ-CH1H-CP
C2042	08S45677W25	CAP, CER. 36RJ-CH1H-CP
C2045	08S45677W25	CAP, CER. 36RJ-CH1H-CP
C2046	08S45677W25	CAP, CER. 36RJ-CH1H-CP
C2051	08S45677W25	CAP, CER. 36RJ-CH1H-CP
C2052	08S45677W25	CAP, CER. 36RJ-CH1H-CP
C2055	08S45677W25	CAP, CER. 36RJ-CH1H-CP
C2056	08S45677W25	CAP, CER. 36RJ-CH1H-CP
C2071	08S45677W60	CAP, CER. 102J-CH1H-CP
C2072	08S45677W60	CAP, CER. 102J-CH1H-CP
C2073	08S45677W60	CAP, CER. 102J-CH1H-CP
C2074	08S45677W60	CAP, CER. 102J-CH1H-CP
C2075	08S45677W60	CAP, CER. 102J-CH1H-CP
C2076	08S45677W60	CAP, CER. 102J-CH1H-CP
C2101	08S60102F48	CAP, CER. 105K-B1E -CP
C2102	08S45677W27	CAP, CER. 43RJ-CH1H-CP
C2111	08S60102F48	CAP, CER. 105K-B1E -CP
C2115	08S45677W21	CAP, CER. 24RJ-CH1H-CP
C2116	08S45677W21	CAP, CER. 24RJ-CH1H-CP
C2125	08S45677W21	CAP, CER. 24RJ-CH1H-CP
C2126	08S45677W21	CAP, CER. 24RJ-CH1H-CP
C2201	08S45677W22	CAP, CER. 27RJ-CH1H-CP
C2202	08S45677W22	CAP, CER. 27RJ-CH1H-CP
C2221	08T55390W33	CAP, TF 224J-1H -R5
C2222	08T55390W33	CAP, TF 224J-1H -R5
C2223	08T55390W33	CAP, TF 224J-1H -R5
C2224	08T55390W33	CAP, TF 224J-1H -R5
C3001	08S45677W22	CAP, CER. 27RJ-CH1H-CP
C3003	08S45677W22	CAP, CER. 27RJ-CH1H-CP
C3004	08S45677W22	CAP, CER. 27RJ-CH1H-CP
C3006	08S45677W22	CAP, CER. 27RJ-CH1H-CP
C3017	08S45677W22	CAP, CER. 27RJ-CH1H-CP
C3018	08S45677W22	CAP, CER. 27RJ-CH1H-CP
C3019	08S45677W22	CAP, CER. 27RJ-CH1H-CP
C3020	08S45677W22	CAP, CER. 27RJ-CH1H-CP
C3025	08S45677W28	CAP, CER. 47RJ-CH1H-CP
C3027	08S60102F48	CAP, CER. 105K-B1E -CP
C3029	08S60102F48	CAP, CER. 105K-B1E -CP
C3031	08S45677W28	CAP, CER. 47RJ-CH1H-CP
C3033	08S45677W25	CAP, CER. 36RJ-CH1H-CP
C3034	08S45677W25	CAP, CER. 36RJ-CH1H-CP

Symbol No.	Part No.	Description
C3038	08S45677W25	CAP, CER. 36RJ-CH1H-CP
C3039	08S45677W25	CAP, CER. 36RJ-CH1H-CP
C3041	08S60102F48	CAP, CER. 105K-B1E -CP
C3042	08S45677W54	CAP, CER. 561J-CH1H-CP
C3043	08S45676W80	CAP, CER. 223K-B1E -CP
C3044	08S45677W28	CAP, CER. 47RJ-CH1H-CP
C3107	08S60102F48	CAP, CER. 105K-B1E -CP
C3108	08S60102F48	CAP, CER. 105K-B1E -CP
C5011	08S45677W60	CAP, CER. 102J-CH1H-CP
C6001	08T15399W01	CAP, CER. 223K-B1H -CP
C6002	08S45677W17	CAP, CER. 16RJ-CH1H-CP
C6003	08S45677W18	CAP, CER. 18RJ-CH1H-CP
C6004	08S45677W19	CAP, CER. 20RJ-CH1H-CP
C6005	08S45677W19	CAP, CER. 20RJ-CH1H-CP
C6006	08T15399W01	CAP, CER. 223K-B1H -CP
C6009	08T15399W01	CAP, CER. 223K-B1H -CP
C7004	08T15399W01	CAP, CER. 223K-B1H -CP
C7007	08T15399W01	CAP, CER. 223K-B1H -CP
C7011	08S45676W80	CAP, CER. 223K-B1E -CP
C8001	08T15399W01	CAP, CER. 223K-B1H -CP
C8005	08T95466W07	CAP, CER. 103K-B2J -CP
C8007	08T15399W01	CAP, CER. 223K-B1H -CP
C8012	08T15399W01	CAP, CER. 223K-B1H -CP
C8015	08T15399W01	CAP, CER. 223K-B1H -CP
C8017	08S45676W80	CAP, CER. 223K-B1E -CP
C9001	08S45677W10	CAP, CER. 8R0D-CH1H-CP
C9002	08S45676W73	CAP, CER. 103K-B1H -CP
C9003	08S45677W10	CAP, CER. 8R0D-CH1H-CP
C9004	08S45676W73	CAP, CER. 103K-B1H -CP
C9005	08S45676W73	CAP, CER. 103K-B1H -CP
C9006	08S45677W58	CAP, CER. 821J-CH1H-CP
C9007	08S60102F48	CAP, CER. 105K-B1E -CP
C9008	08S60102F48	CAP, CER. 105K-B1E -CP
C9009	08S60102F48	CAP, CER. 105K-B1E -CP
C9010	08S45676W73	CAP, CER. 103K-B1H -CP
C9011	08S45676W85	CAP, CER. 104K-B1C -CP
C9012	08S45676W73	CAP, CER. 103K-B1H -CP
C9013	08S45676W73	CAP, CER. 103K-B1H -CP
C9014	08S60102F48	CAP, CER. 105K-B1E -CP
C9015	08S45676W73	CAP, CER. 103K-B1H -CP
C9016	08S45676W68	CAP, CER. 473K-B1E -CP
C9017	08S45677W34	CAP, CER. 82RJ-CH1H-CP
C9018	08S45676W73	CAP, CER. 103K-B1H -CP
C9019	08S45676W73	CAP, CER. 103K-B1H -CP
C9020	08S45676W73	CAP, CER. 103K-B1H -CP
C9021	08S45676W73	CAP, CER. 103K-B1H -CP
C9022	08S45677W30	CAP, CER. 56RJ-CH1H-CP
C9023	08S45677W53	CAP, CER. 511J-CH1H-CP
C9024	08S45677W52	CAP, CER. 471J-CH1H-CP

Symbol No.	Part No.	Description
C9025	08S45677W56	CAP, CER 681J-CH1H-CP
C9026	08S45676W73	CAP, CER. 103K-B1H -CP
C9027	08S45676W73	CAP, CER. 103K-B1H -CP
C9028	08S45676W85	CAP, CER 104K-B1C -CP
C9029	08S45676W84	CAP, CER 683K-B1C -CP
C9030	08S45676W63	CAP, CER 152K-B1H -CP
C9031	08S60102F48	CAP, CER 105K-B1E -CP
C9032	08S45676W85	CAP, CER 104K-B1C -CP
C9033	08S45676W85	CAP, CER 104K-B1C -CP
C9034	08S45676W85	CAP, CER 104K-B1C -CP
C9035	08S45676W71	CAP, CER. 682K-B1H -CP
C9036	08S45676W73	CAP, CER. 103K-B1H -CP
C9037	08S45676W75	CAP, CER. 153K-B1H -CP
C9039	08T15399W01	CAP, CER. 153K-B1H -CP
C9040	08S60102F48	CAP, CER 105K-B1E -CP
C9042	08S45676W73	CAP, CER. 103K-B1H -CP
C9046	08S45676W80	CAP, CER 223K-B1E -CP
C9048	08S45676W80	CAP, CER 223K-B1E -CP
C9049	08S45676W73	CAP, CER. 103K-B1H -CP
C9050	08S45676W73	CAP, CER. 103K-B1H -CP
C9051	08S45676W85	CAP, CER 104K-B1C -CP
C9061	08S45676W80	CAP, CER 223K-B1E -CP
C9062	08S45676W85	CAP, CER 104K-B1C -CP
C9063	08S45676W85	CAP, CER 104K-B1C -CP
C9064	08S45676W85	CAP, CER 104K-B1C -CP
C9065	08S45677W07	CAP, CER. 5R0C-CH1H-CP
C9067	08S45677W28	CAP, CER 47RJ-CH1H-CP
C9101	08T15399W01	CAP, CER. 223K-B1H -CP
C9103	08S45676W80	CAP, CER 223K-B1E -CP
C9104	08S45676W80	CAP, CER 223K-B1E -CP
C9106	08S45677W22	CAP, CER. 27RJ-CH1H-CP
C9107	08S45677W22	CAP, CER. 27RJ-CH1H-CP
C9131	08S45676W80	CAP, CER 223K-B1E -CP
C9152	08T81833F08	CAP, CER 475K-B1A -CP
C9158	08S45676W85	CAP, CER 104K-B1C -CP
E0001	23S65134W24	CAP, ELY 221-1A (8) -E6
E0002	23S65134W32	CAP, ELY 22R-1C (5) -E3
E0030	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E0041	23S65134W31	CAP, ELY 10R-1C (4) -E2
E0111	23S65134W35	CAP, ELY 101-1C (6) -E6
E1050	23T15765Y23	CAP, TAN 47R-1C-G -E2
E1051	23S65134W31	CAP, ELY 10R-1C (4) -E2
E1052	23S65134W31	CAP, ELY 10R-1C (4) -E2
E1055	23S65134W31	CAP, ELY 10R-1C (4) -E2
E1060	23T15765Y23	CAP, TAN 47R-1C-G -E2
E1061	23S65134W31	CAP, ELY 10R-1C (4) -E2
E1062	23S65134W31	CAP, ELY 10R-1C (4) -E2
E1064	23S65134W31	CAP, ELY 10R-1C (4) -E2
E1073	23S65134W65	CAP, ELY 1R0-1H (3) -E2

Symbol No.	Part No.	Description
E1074	23S65134W32	CAP, ELY 22R-1C (5) -E3
E1101	23S65134W43	CAP, ELY 10R-1E (5) -E3
E1103	23S65134W43	CAP, ELY 10R-1E (5) -E3
E1105	23T15765Y23	CAP, TAN 47R-1C-G -E2
E1107	23S65134W43	CAP, ELY 10R-1E (5) -E3
E1110	23T15765Y19	CAP, TAN 10R-1C-V -E1
E1112	23S65134W12	CAP, ELY 47R-0J (5) -E3
E1116	23S65134W12	CAP, ELY 47R-0J (5) -E3
E1120	23T15765Y19	CAP, TAN 10R-1C-V -E1
E1122	23S65134W12	CAP, ELY 47R-0J (5) -E3
E1126	23S65134W12	CAP, ELY 47R-0J (5) -E3
E1130	23T15765Y19	CAP, TAN 10R-1C-V -E1
E1132	23S65134W12	CAP, ELY 47R-0J (5) -E3
E1140	23S65134W12	CAP, ELY 47R-0J (5) -E3
E2005	23S65134W23	CAP, ELY 101-1A (6) -E6
E2007	23S65134W32	CAP, ELY 22R-1C (5) -E3
E2008	23S65134W32	CAP, ELY 22R-1C (5) -E3
E2009	23T25216Y13	CAP, HP 1R0-1H-BP-E2
E2010	23T25216Y13	CAP, HP 1R0-1H-BP-E2
E2011	23S65134W41	CAP, ELY 4R7-1E (3) -E2
E2012	23S65134W79	CAP, ELY R68-1H (3) -E2
E2013	23S65134W32	CAP, ELY 22R-1C (5) -E3
E2014	23S65134W46	CAP, ELY 47R-1E (6) -E6
E2015	23S65134W79	CAP, ELY R68-1H (3) -E2
E2016	23S65134W32	CAP, ELY 22R-1C (5) -E3
E2017	23S65134W32	CAP, ELY 22R-1C (5) -E3
E2018	23S65134W32	CAP, ELY 22R-1C (5) -E3
E2019	23S65134W47	CAP, ELY 101-1E (8) -E6
E2021	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E2022	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E2025	23S65134W41	CAP, ELY 4R7-1E (3) -E2
E2026	23S65134W41	CAP, ELY 4R7-1E (3) -E2
E2030	23S65134W32	CAP, ELY 22R-1C (5) -E3
E2031	23S65134W52	CAP, ELY 3R3-1V (3) -E2
E2032	23S65134W52	CAP, ELY 3R3-1V (3) -E2
E2033	23S65134W52	CAP, ELY 3R3-1V (3) -E2
E2034	23S65134W52	CAP, ELY 3R3-1V (3) -E2
E2040	23S65134W32	CAP, ELY 22R-1C (5) -E3
E2041	23S65134W52	CAP, ELY 3R3-1V (3) -E2
E2042	23S65134W52	CAP, ELY 3R3-1V (3) -E2
E2043	23S65134W52	CAP, ELY 3R3-1V (3) -E2
E2044	23S65134W52	CAP, ELY 3R3-1V (3) -E2
E2050	23S65134W32	CAP, ELY 22R-1C (5) -E3
E2051	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E2052	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E2053	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E2054	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E2061	23S65134W52	CAP, ELY 3R3-1V (3) -E2
E2062	23S65134W52	CAP, ELY 3R3-1V (3) -E2

Symbol No.	Part No.	Description
E2063	23S65134W52	CAP, ELY 3R3-1V (3) -E2
E2064	23S65134W52	CAP, ELY 3R3-1V (3) -E2
E2065	23S65134W52	CAP, ELY 3R3-1V (3) -E2
E2066	23S65134W52	CAP, ELY 3R3-1V (3) -E2
E2091	23S65134W65	CAP, ELY 1R0-1H (3) -E2
E2092	23S65134W46	CAP, ELY 47R-1E (6) -E6
E2093	23T95117W01	CAP, ELY 1R0-1H -H2
E2101	23S65134W31	CAP, ELY 10R-1C (4) -E2
E2110	23S65134W32	CAP, ELY 22R-1C (5) -E3
E2111	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E2112	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E2120	23S65134W32	CAP, ELY 22R-1C (5) -E3
E2121	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E2122	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E2200	23S65134W32	CAP, ELY 22R-1C (5) -E3
E3001	23S65134W32	CAP, ELY 22R-1C (5) -E3
E3003	23S65134W32	CAP, ELY 22R-1C (5) -E3
E3005	23S65134W32	CAP, ELY 22R-1C (5) -E3
E3006	23S65134W44	CAP, ELY 22R-1E (6) -E6
E3007	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E3008	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E3011	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E3012	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E3013	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E3014	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E3021	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E3022	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E3023	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E3024	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E3027	23S65134W65	CAP, ELY 1R0-1H (3) -E2
E3028	23S65134W65	CAP, ELY 1R0-1H (3) -E2
E3080	23S65134W32	CAP, ELY 22R-1C (5) -E3
E3100	23S65134W32	CAP, ELY 22R-1C (5) -E3
E3370	23S65134W32	CAP, ELY 22R-1C (5) -E3
E3371	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E3372	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E3373	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E3374	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E3391	23S65134W32	CAP, ELY 22R-1C (5) -E3
E3393	23S65134W32	CAP, ELY 22R-1C (5) -E3
E3394	23S65134W32	CAP, ELY 22R-1C (5) -E3
E5001	23S65134W32	CAP, ELY 22R-1C (5) -E3
E6003	23S65134W24	CAP, ELY 221-1A (8) -E6
E6004	23S65134W31	CAP, ELY 10R-1C (4) -E2
E7001	23S65134W35	CAP, ELY 101-1C (8) -E6
E7002	23S65134W32	CAP, ELY 22R-1C (5) -E3
E7003	23S65134W32	CAP, ELY 22R-1C (5) -E3
E7004	23S65134W47	CAP, ELY 101-1E (8) -E6
E7005	23S65134W32	CAP, ELY 22R-1C (5) -E3

Symbol No.	Part No.	Description
E7006	23S65134W32	CAP, ELY 22R-1C (5) -E3
E7011	23S65134W47	CAP, ELY 101-1E (8) -E6
E7012	23S65134W47	CAP, ELY 101-1E (8) -E6
E8001	23T75480W42	CAP, VZ 472-1C +
E8002	23S65134W61	CAP, ELY 0R1-1H (3) -E2
E8003	23T00181L19	CAP, NS1. 331-1C-M +
E8004	23S65134W32	CAP, ELY 22R-1C (5) -E3
E8008	23S65134W31	CAP, ELY 10R-1C (4) -E2
E8009	23S65134W23	CAP, ELY 101-1A (6) -E6
E8012	23S65134W64	CAP, ELY R47-1H (3) -E2
E8013	23S65134W52	CAP, ELY 3R3-1V (3) -E2
E8014	23S65134W64	CAP, ELY R47-1H (3) -E2
E8016	23S65134W31	CAP, ELY 10R-1C (4) -E2
E8018	23S65134W32	CAP, ELY 22R-1C (5) -E3
E8019	23S65134W51	CAP, ELY 2R2-1V (3) -E2
E8021	23S65134W24	CAP, ELY 221-1A (8) -E6
E8101	23S65134W32	CAP, ELY 22R-1C (5) -E3
E9001	23T15765Y19	CAP, TAN 10R-1C-V -E1
E9002	23T15765Y19	CAP, TAN 10R-1C-V -E1
E9003	23T15765Y19	CAP, TAN 10R-1C-V -E1
E9005	23S65134W23	CAP, ELY 101-1A (6) -E6
E9006	23T15765Y36	CAP, TAN R47-1E-Q -CP
E9007	23T15765Y19	CAP, TAN 10R-1C-V -E1
E9008	23S65134W23	CAP, ELY 101-1A (6) -E6
E9009	23S65134W52	CAP, ELY 3R3-1V (3) -E2
E9010	23T15765Y86	CAP, TAN 4R7-1E-B -CP
E9015	23T15765Y19	CAP, TAN 10R-1C-V -E1
E9016	23T15765Y15	CAP, TAN 2R2-1C-Q -CP
E9017	23T15765Y15	CAP, TAN 2R2-1C-Q -CP
E9018	23T15765Y15	CAP, TAN 2R2-1C-Q -CP
E9019	23S65134W44	CAP, ELY 22R-1E (6) -E6
E9020	23S65134W23	CAP, ELY 101-1A (6) -E6
E9061	23S65134W24	CAP, ELY 221-1A (8) -E6
E9062	23S65134W24	CAP, ELY 221-1A (8) -E6
E9063	23S65134W24	CAP, ELY 221-1A (8) -E6
E9064	23S65134W24	CAP, ELY 221-1A (8) -E6
E9065	23T15765Y23	CAP, TAN 47R-1C-G -E2
E9101	23T15765Y23	CAP, TAN 47R-1C-G -E2
E9131	23S65134W23	CAP, ELY 101-1A (6) -E6
E9132	23S65134W33	CAP, ELY 33R-1C (6) -E6
E9133	23S65134W23	CAP, ELY 101-1A (6) -E6
E9151	23S65134W23	CAP, ELY 101-1A (6) -E6
E9301	23S65134W24	CAP, ELY 221-1A (8) -E6
E9302	23S65134W24	CAP, ELY 221-1A (8) -E6

Resistors

R0001	06S15304Y49	RES, RK 102J 1/16 -CP

Symbol No.	Part No.	Description
R0002	06S15304Y49	RES. RK 102J 1/16 -CP
R0003	06S15304Y73	RES. RK 103J 1/16 -CP
R0004	06S15304Y73	RES. RK 103J 1/16 -CP
R0005	06S15304Y81	RES. RK 223J 1/16 -CP
R0006	06S15304Y49	RES. RK 102J 1/16 -CP
R0007	06S15304Y73	RES. RK 103J 1/16 -CP
R0008	06S15304Y73	RES. RK 103J 1/16 -CP
R0009	06S15304Y73	RES. RK 103J 1/16 -CP
R0010	06S15304Y49	RES. RK 102J 1/16 -CP
R0011	06S15304Y49	RES. RK 102J 1/16 -CP
R0012	06S15304Y49	RES. RK 102J 1/16 -CP
R0013	06S15304Y49	RES. RK 102J 1/16 -CP
R0014	06S15304Y49	RES. RK 102J 1/16 -CP
R0015	06S15304Y89	RES. RK 473J 1/16 -CP
R0016	06S15304Y49	RES. RK 102J 1/16 -CP
R0020	06S15304Y73	RES. RK 103J 1/16 -CP
R0021	06S15304Y73	RES. RK 103J 1/16 -CP
R0022	06S95434W57	RES. RK 221J 1/4 -CP
R0023	06S15304Y89	RES. RK 473J 1/16 -CP
R0030	06S15304Y49	RES. RK 102J 1/16 -CP
R0031	06S15304Y49	RES. RK 102J 1/16 -CP
R0032	06S15304Y49	RES. RK 102J 1/16 -CP
R0033	06S15304Y35	RES. RK 271J 1/16 -CP
R0034	06S15304Y35	RES. RK 271J 1/16 -CP
R0035	06S45675W22	RES. RK 474J 1/10 -CP
R0036	06S15304Y49	RES. RK 102J 1/16 -CP
R0040	06S15304Y81	RES. RK 223J 1/16 -CP
R0045	06S15304Y81	RES. RK 223J 1/16 -CP
R0046	06S15304Y81	RES. RK 223J 1/16 -CP
R0047	06S15304Y82	RES. RK 243J 1/16 -CP
R0048	06S15304Y73	RES. RK 103J 1/16 -CP
R0060	06S45674W64	RES. RK 202J 1/10 -CP
R0099	06S45675W43	RES. RK JUMPER1/10-CP
R0101	06S15304Y01	RES. RK 10RJ 1/16 -CP
R0102	06S45675W43	RES. RK JUMPER1/10-CP
R0103	06S45675W43	RES. RK JUMPER1/10-CP
R1001	06S15304Y49	RES. RK 102J 1/16 -CP
R1051	06S15304Y49	RES. RK 102J 1/16 -CP
R1061	06S15304Y49	RES. RK 102J 1/16 -CP
R1071	06S15304Y71	RES. RK 822J 1/16 -CP
R1072	06S45674W99	RES. RK 563J 1/10 -CP
R1073	06S15304Y87	RES. RK 393J 1/16 -CP
R1075	06S15304Y91	RES. RK 563J 1/16 -CP
R1076	06S15304Y91	RES. RK 563J 1/16 -CP
R1077	06S95434W73	RES. RK 102J 1/4 -CP
R1078	06S15304Y97	RES. RK 104J 1/16 -CP
R1079	06S15304Y97	RES. RK 104J 1/16 -CP
R1101	06S15304Y22	RES. RK 75RJ 1/16 -CP
R1102	06S15304Y22	RES. RK 75RJ 1/16 -CP

Symbol No.	Part No.	Description
R1103	06S15304Y22	RES. RK 75RJ 1/16 -CP
R1110	06S15304Y73	RES. RK 103J 1/16 -CP
R1111	06S15304Y73	RES. RK 103J 1/16 -CP
R1112	06S15304Y73	RES. RK 103J 1/16 -CP
R1113	06S15304Y49	RES. RK 102J 1/16 -CP
R1114	06S15304Y73	RES. RK 103J 1/16 -CP
R1115	06S15304Y37	RES. RK 331J 1/16 -CP
R1116	06S45674W25	RES. RK 47RJ 1/10 -CP
R1117	06S45674W25	RES. RK 47RJ 1/10 -CP
R1118	06S45674W25	RES. RK 47RJ 1/10 -CP
R1120	06S15304Y73	RES. RK 103J 1/16 -CP
R1121	06S15304Y73	RES. RK 103J 1/16 -CP
R1122	06S15304Y73	RES. RK 103J 1/16 -CP
R1123	06S15304Y49	RES. RK 102J 1/16 -CP
R1124	06S15304Y73	RES. RK 103J 1/16 -CP
R1125	06S15304Y37	RES. RK 331J 1/16 -CP
R1127	06S15593Y50	RES. RK 112F 1/10 -CP
R1128	06S15304Y61	RES. RK 332J 1/16 -CP
R1130	06S15304Y73	RES. RK 103J 1/16 -CP
R1131	06S15304Y73	RES. RK 103J 1/16 -CP
R1132	06S15304Y73	RES. RK 103J 1/16 -CP
R1133	06S15304Y49	RES. RK 102J 1/16 -CP
R1134	06S15304Y73	RES. RK 103J 1/16 -CP
R1135	06S15304Y37	RES. RK 331J 1/16 -CP
R1141	06S15304Y73	RES. RK 103J 1/16 -CP
R1142	06S15304Y73	RES. RK 103J 1/16 -CP
R1143	06S15304Y66	RES. RK 512J 1/16 -CP
R1144	06S15304Y59	RES. RK 272J 1/16 -CP
R1145	06S15304Y73	RES. RK 103J 1/16 -CP
R1146	06S15304Y73	RES. RK 103J 1/16 -CP
R1147	06S15304Y66	RES. RK 512J 1/16 -CP
R1148	06S15304Y59	RES. RK 272J 1/16 -CP
R1149	06S15304Y59	RES. RK 272J 1/16 -CP
R1150	06S15304Y66	RES. RK 512J 1/16 -CP
R1151	06S15304Y73	RES. RK 103J 1/16 -CP
R1152	06S15304Y73	RES. RK 103J 1/16 -CP
R2001	06S95434W57	RES. RK 221J 1/4 -CP
R2002	06S95434W57	RES. RK 221J 1/4 -CP
R2003	06S95434W57	RES. RK 221J 1/4 -CP
R2004	06S95434W57	RES. RK 221J 1/4 -CP
R2005	06S15304Y49	RES. RK 102J 1/16 -CP
R2006	06S15304Y49	RES. RK 102J 1/16 -CP
R2007	06S15593Y76	RES. RK 133F 1/10 -CP
R2008	06S15593Y76	RES. RK 133F 1/10 -CP
R2009	06S15304Y73	RES. RK 103J 1/16 -CP
R2010	06S15304Y73	RES. RK 103J 1/16 -CP
R2011	06S15304Y49	RES. RK 102J 1/16 -CP
R2012	06S15304Y49	RES. RK 102J 1/16 -CP
R2015	06S15593Y86	RES. RK 333F 1/10 -CP

Symbol No.	Part No.	Description
R2016	06S15593Y85	RES, RK 333F 1/10 -CP
R2017	06S15304Y25	RES, RK 101J 1/16 -CP
R2018	06S15304Y25	RES, RK 101J 1/16 -CP
R2019	06S15304Y25	RES, RK 101J 1/16 -CP
R2020	06S15304Y25	RES, RK 101J 1/16 -CP
R2021	06S15593Y50	RES, RK 112F 1/10 -CP
R2022	06S15304Y73	RES, RK 103J 1/16 -CP
R2023	06S15593Y50	RES, RK 112F 1/10 -CP
R2024	06S15304Y25	RES, RK 101J 1/16 -CP
R2025	06S15304Y67	RES, RK 562J 1/16 -CP
R2026	06S15304Y67	RES, RK 562J 1/16 -CP
R2027	06S15304Y80	RES, RK 203J 1/16 -CP
R2028	06S15304Y80	RES, RK 203J 1/16 -CP
R2029	06S15304Y72	RES, RK 912J 1/16 -CP
R2031	06S15304Y81	RES, RK 223J 1/16 -CP
R2032	06S15593Y81	RES, RK 223F 1/10 -CP
R2033	06S15593Y81	RES, RK 223F 1/10 -CP
R2034	06S15593Y81	RES, RK 223F 1/10 -CP
R2035	06S15593Y81	RES, RK 223F 1/10 -CP
R2036	06S15593Y81	RES, RK 223F 1/10 -CP
R2037	06S15593Y81	RES, RK 223F 1/10 -CP
R2038	06S15593Y81	RES, RK 223F 1/10 -CP
R2041	06S15593Y81	RES, RK 223F 1/10 -CP
R2042	06S15593Y81	RES, RK 223F 1/10 -CP
R2043	06S15593Y81	RES, RK 223F 1/10 -CP
R2044	06S15593Y81	RES, RK 223F 1/10 -CP
R2045	06S15593Y81	RES, RK 223F 1/10 -CP
R2046	06S15593Y81	RES, RK 223F 1/10 -CP
R2047	06S15593Y81	RES, RK 223F 1/10 -CP
R2048	06S15593Y81	RES, RK 223F 1/10 -CP
R2051	06S15593Y81	RES, RK 223F 1/10 -CP
R2052	06S15593Y81	RES, RK 223F 1/10 -CP
R2053	06S15593Y81	RES, RK 223F 1/10 -CP
R2054	06S15593Y81	RES, RK 223F 1/10 -CP
R2055	06S15593Y81	RES, RK 223F 1/10 -CP
R2056	06S15593Y81	RES, RK 223F 1/10 -CP
R2057	06S15593Y81	RES, RK 223F 1/10 -CP
R2058	06S15593Y81	RES, RK 223F 1/10 -CP
R2060	06S45675W43	RES, RK JUMPER1/10-CP
R2061	06S95434W49	RES, RK 101J 1/4 -CP
R2062	06S95434W49	RES, RK 101J 1/4 -CP
R2063	06S15304Y88	RES, RK 433J 1/16 -CP
R2064	06S15304Y88	RES, RK 433J 1/16 -CP
R2065	06S15304Y33	RES, RK 221J 1/16 -CP
R2066	06S15304Y33	RES, RK 221J 1/16 -CP
R2067	06S95434W49	RES, RK 101J 1/4 -CP
R2068	06S95434W49	RES, RK 101J 1/4 -CP
R2069	06S15304Y88	RES, RK 433J 1/16 -CP
R2070	06S15304Y88	RES, RK 433J 1/16 -CP

Symbol No.	Part No.	Description
R2071	06S15304Y33	RES, RK 221J 1/16 -CP
R2072	06S15304Y33	RES, RK 221J 1/16 -CP
R2073	06S95434W49	RES, RK 101J 1/4 -CP
R2074	06S95434W49	RES, RK 101J 1/4 -CP
R2075	06S15304Y88	RES, RK 433J 1/16 -CP
R2076	06S15304Y88	RES, RK 433J 1/16 -CP
R2077	06S15304Y33	RES, RK 221J 1/16 -CP
R2078	06S15304Y33	RES, RK 221J 1/16 -CP
R2091	06S15304Y73	RES, RK 103J 1/16 -CP
R2101	06S15304Y79	RES, RK 183J 1/16 -CP
R2102	06S15304Y81	RES, RK 223J 1/16 -CP
R2104	06S15304Y65	RES, RK 472J 1/16 -CP
R2113	06S15593Y76	RES, RK 133F 1/10 -CP
R2114	06S15593Y76	RES, RK 133F 1/10 -CP
R2117	06S15304Y85	RES, RK 333J 1/16 -CP
R2118	06S15304Y85	RES, RK 333J 1/16 -CP
R2119	06S15593Y85	RES, RK 333F 1/10 -CP
R2120	06S15593Y85	RES, RK 333F 1/10 -CP
R2123	06S15593Y76	RES, RK 133F 1/10 -CP
R2124	06S15593Y76	RES, RK 133F 1/10 -CP
R2127	06S15593Y85	RES, RK 333F 1/10 -CP
R2128	06S15593Y85	RES, RK 333F 1/10 -CP
R2201	06S15304Y83	RES, RK 273J 1/16 -CP
R2202	06S15304Y83	RES, RK 273J 1/16 -CP
R2203	06S15304Y83	RES, RK 273J 1/16 -CP
R2204	06S15304Y83	RES, RK 273J 1/16 -CP
R3001	06S15593Y83	RES, RK 273F 1/10 -CP
R3003	06S15593Y81	RES, RK 223F 1/10 -CP
R3004	06S15593Y81	RES, RK 223F 1/10 -CP
R3005	06S15593Y81	RES, RK 223F 1/10 -CP
R3006	06S15593Y81	RES, RK 223F 1/10 -CP
R3007	06S15593Y83	RES, RK 273F 1/10 -CP
R3008	06S15593Y83	RES, RK 273F 1/10 -CP
R3009	06S45675W43	RES, RK JUMPER1/10-CP
R3010	06S45675W43	RES, RK JUMPER1/10-CP
R3013	06S15304Y59	RES, RK 272J 1/16 -CP
R3014	06S15304Y59	RES, RK 272J 1/16 -CP
R3015	06S15304Y77	RES, RK 153J 1/16 -CP
R3016	06S15304Y77	RES, RK 153J 1/16 -CP
R3017	06S45675W43	RES, RK JUMPER1/10-CP
R3018	06S45675W43	RES, RK JUMPER1/10-CP
R3021	06S15593Y83	RES, RK 273F 1/10 -CP
R3022	06S15593Y81	RES, RK 223F 1/10 -CP
R3023	06S15593Y81	RES, RK 223F 1/10 -CP
R3024	06S15593Y81	RES, RK 223F 1/10 -CP
R3025	06S15593Y81	RES, RK 223F 1/10 -CP
R3026	06S15593Y83	RES, RK 273F 1/10 -CP
R3027	06S15593Y83	RES, RK 273F 1/10 -CP
R3029	06S15593Y83	RES, RK 273F 1/10 -CP

Symbol No.	Part No.	Description
R3030	06S15593Y83	RES, RK 273F 1/10 -CP
R3031	06S15304Y59	RES, RK 272J 1/16 -CP
R3032	06S15304Y59	RES, RK 272J 1/16 -CP
R3033	06S15304Y77	RES, RK 153J 1/16 -CP
R3034	06S15304Y77	RES, RK 153J 1/16 -CP
R3035	06S15304Y65	RES, RK 472J 1/16 -CP
R3036	06S15304Y71	RES, RK 822J 1/16 -CP
R3037	06S15304Y89	RES, RK 473J 1/16 -CP
R3038	06S15304Y85	RES, RK 333J 1/16 -CP
R3041	06S15304Y69	RES, RK 682J 1/16 -CP
R3042	06S15304Y85	RES, RK 333J 1/16 -CP
R3043	06S15304Y72	RES, RK 912J 1/16 -CP
R3044	06S15304Y64	RES, RK 432J 1/16 -CP
R3045	06S15304Y48	RES, RK 911J 1/16 -CP
R3046	06S15304Y78	RES, RK 163J 1/16 -CP
R3047	06S15304Y88	RES, RK 433J 1/16 -CP
R3048	06S15304Y77	RES, RK 153J 1/16 -CP
R3049	06S15304Y93	RES, RK 683J 1/16 -CP
R3050	06S15304Y83	RES, RK 273J 1/16 -CP
R3051	06S15593Y77	RES, RK 153F 1/10 -CP
R3052	06S15593Y69	RES, RK 682F 1/10 -CP
R3053	06S15593Y85	RES, RK 333F 1/10 -CP
R3054	06S15593Y69	RES, RK 682F 1/10 -CP
R3055	06S15593Y85	RES, RK 333F 1/10 -CP
R3057	06S15593Y77	RES, RK 153F 1/10 -CP
R3059	06S15593Y81	RES, RK 223F 1/10 -CP
R3060	06S15593Y81	RES, RK 223F 1/10 -CP
R3061	06S15593Y81	RES, RK 223F 1/10 -CP
R3062	06S15593Y81	RES, RK 223F 1/10 -CP
R3063	06S15593Y81	RES, RK 223F 1/10 -CP
R3064	06S15593Y81	RES, RK 223F 1/10 -CP
R3065	06S15593Y61	RES, RK 223F 1/10 -CP
R3066	06S15593Y81	RES, RK 223F 1/10 -CP
R3067	06S15304Y67	RES, RK 562J 1/16 -CP
R3068	06S15304Y67	RES, RK 562J 1/16 -CP
R3069	06S15304Y80	RES, RK 203J 1/16 -CP
R3070	06S15304Y80	RES, RK 203J 1/16 -CP
R3079	06S95434W49	RES, RK 101J 1/4 -CP
R3080	06S15304Y33	RES, RK 221J 1/16 -CP
R3081	06S45675W43	RES, RK JUMPER1/10-CP
R3082	06S15304Y88	RES, RK 433J 1/16 -CP
R3083	06S15304Y88	RES, RK 433J 1/16 -CP
R3084	06S95434W49	RES, RK 101J 1/4 -CP
R3085	06S15304Y33	RES, RK 221J 1/16 -CP
R3101	06S15593Y50	RES, RK 112F 1/10 -CP
R3102	06S15593Y50	RES, RK 112F 1/10 -CP
R3103	06S15594Y07	RES, RK 244F 1/10 -CP
R3104	06S15594Y07	RES, RK 244F 1/10 -CP
R3107	06S15593Y89	RES, RK 473F 1/10 -CP

Symbol No.	Part No.	Description
R3108	06S15593Y89	RES, RK 473F 1/10 -CP
R3109	06S45675W43	RES, RK JUMPER1/10-CP
R3115	06S45675W43	RES, RK JUMPER1/10-CP
R3116	06S45675W43	RES, RK JUMPER1/10-CP
R3301	06S15593Y50	RES, RK 112F 1/10 -CP
R3391	06S15304Y63	RES, RK 392J 1/16 -CP
R3392	06S15304Y63	RES, RK 392J 1/16 -CP
R3393	06S15304Y81	RES, RK 223J 1/16 -CP
R3394	06S15304Y81	RES, RK 223J 1/16 -CP
R3395	06S15304Y71	RES, RK 822J 1/16 -CP
R3396	06S15304Y71	RES, RK 822J 1/16 -CP
R3397	06S15304Y81	RES, RK 223J 1/16 -CP
R3398	06S15304Y81	RES, RK 223J 1/16 -CP
R3399	06S45675W43	RES, RK JUMPER1/10-CP
R5001	06S15304Y25	RES, RK 101J 1/16 -CP
R5002	06S15304Y25	RES, RK 101J 1/16 -CP
R5003	06S95432W61	RES, RK 102J 1/10 -CP
R5004	06S95432W61	RES, RK 102J 1/10 -CP
R5005	06S15304Y81	RES, RK 223J 1/16 -CP
R5006	06S15304Y81	RES, RK 223J 1/16 -CP
R5007	06S15304Y81	RES, RK 223J 1/16 -CP
R5008	06S15304Y89	RES, RK 473J 1/16 -CP
R5011	06S15593Y73	RES, RK 103F 1/10 -CP
R6001	06S45675W43	RES, RK JUMPER1/10-CP
R6002	06S15304Y49	RES, RK 102J 1/16 -CP
R6003	06S45675W43	RES, RK JUMPER1/10-CP
R6004	06S15304Y49	RES, RK 102J 1/16 -CP
R6005	06S15304Y49	RES, RK 102J 1/16 -CP
R6006	06S15304Y49	RES, RK 102J 1/16 -CP
R6007	06S15304Y49	RES, RK 102J 1/16 -CP
R6009	06S15304Y49	RES, RK 102J 1/16 -CP
R6010	06S15304Y89	RES, RK 473J 1/16 -CP
R6011	06S15304Y81	RES, RK 223J 1/16 -CP
R6012	06S15304Y81	RES, RK 223J 1/16 -CP
R6013	06S15304Y49	RES, RK 102J 1/16 -CP
R6014	06S15304Y49	RES, RK 102J 1/16 -CP
R6015	06S15304Y89	RES, RK 473J 1/16 -CP
R6016	06S15304Y81	RES, RK 223J 1/16 -CP
R6020	06S15304Y49	RES, RK 102J 1/16 -CP
R6021	06S15304Y49	RES, RK 102J 1/16 -CP
R6022	06S15304Y49	RES, RK 102J 1/16 -CP
R6023	06S15304Y87	RES, RK 393J 1/16 -CP
R6024	06S15304Y41	RES, RK 471J 1/16 -CP
R6025	06S15304Y81	RES, RK 223J 1/16 -CP
R6026	06S15304Y81	RES, RK 223J 1/16 -CP
R6028	06S15304Y49	RES, RK 102J 1/16 -CP
R6029	06S15304Y97	RES, RK 104J 1/16 -CP
R6030	06S15304Y49	RES, RK 102J 1/16 -CP
R6031	06S15304Y49	RES, RK 102J 1/16 -CP

Symbol No.	Part No.	Description
R5032	06S15304Y81	RES. RK 223J 1/16 -CP
R5033	06S15304Y49	RES. RK 102J 1/16 -CP
R5038	06S15304Y81	RES. RK 223J 1/16 -CP
R5039	06S15304Y81	RES. RK 223J 1/16 -CP
R5040	06S15304Y81	RES. RK 223J 1/16 -CP
R6041	06S15304Y81	RES. RK 223J 1/16 -CP
R6042	06S15304Y81	RES. RK 223J 1/16 -CP
R6043	06S15304Y81	RES. RK 223J 1/16 -CP
R6045	06S15304Y49	RES. RK 102J 1/16 -CP
R6049	06S15304Y97	RES. RK 104J 1/16 -CP
R6053	06S45675W43	RES. RK JUMPER1/10-CP
R6054	06S45675W43	RES. RK JUMPER1/10-CP
R6101	06S15304Y81	RES. RK 223J 1/16 -CP
R6102	06S15304Y81	RES. RK 223J 1/16 -CP
R6103	06S15304Y81	RES. RK 223J 1/16 -CP
R6104	06S15304Y81	RES. RK 223J 1/16 -CP
R6105	06S15304Y81	RES. RK 223J 1/16 -CP
R6106	06S15304Y81	RES. RK 223J 1/16 -CP
R6107	06S15304Y81	RES. RK 223J 1/16 -CP
R6108	06S15304Y81	RES. RK 223J 1/16 -CP
R7001	06S65477W11	RES. RD 5R6J 1/4 -R5
R7002	06T85397W01	RES. RN 7R5J 2W +
R7003	06S15593Y92	RES. RK 623F 1/10 -CP
R7004	06S15593Y92	RES. RK 623F 1/10 -CP
R7005	06S65477W11	RES. RD 5R6J 1/4 -R5
R7008	06S45675W25	RES. RK 624J 1/10 -CP
R7011	06T75433W82	RES. RK 243J 1/4 -CP
R7012	06S95434W77	RES. RK 152J 1/4 -CP
R7013	06S95434W79	RES. RK 182J 1/4 -CP
R7014	06S45675W26	RES. RK 684J 1/10 -CP
R7015	06S15593Y92	RES. RK 623F 1/10 -CP
R8001	06S95434W97	RES. RK 103J 1/4 -CP
R8002	06S95434W89	RES. RK 472J 1/4 -CP
R8003	06S95434W89	RES. RK 472J 1/4 -CP
R8004	06S95434W59	RES. RK 271J 1/4 -CP
R8005	06S95434W59	RES. RK 271J 1/4 -CP
R8006	06S15304Y89	RES. RK 473J 1/16 -CP
R8007	06S95434W97	RES. RK 103J 1/4 -CP
R8008	06S15304Y89	RES. RK 473J 1/16 -CP
R8009	06S15304Y89	RES. RK 473J 1/16 -CP
R8010	06S45675W04	RES. RK 823J 1/10 -CP
R8011	06S15304Y73	RES. RK 103J 1/16 -CP
R8012	06S45675W29	RES. RK 914J 1/10 -CP
R8013	06S15304Y89	RES. RK 473J 1/16 -CP
R8014	06S64995F39	RES. RK JUMPER 1/8-CP
R8021	06T75433W82	RES. RK 243J 1/4 -CP
R8022	06S70072F58	RES. CF . 162-J-1/4-CP
R8023	06S70072F58	RES. CF . 162-J-1/4-CP
R8024	06S95434W79	RES. RK 182J 1/4 -CP

Symbol No.	Part No.	Description
R8025	06S70072F60	RES. CP . 202-J-1/4-CP
R8026	06S95434W23	RES. RK 8R2J 1/4 -CP
R8027	06T75433W82	RES. RK 243J 1/4 -CP
R8028	06S95434W23	RES. RK 8R2J 1/4 -CP
R8029	06S95434W23	RES. RK 8R2J 1/4 -CP
R8030	06S15304Y82	RES. RK 243J 1/16 -CP
R8031	06S15304Y73	RES. RK 103J 1/16 -CP
R8032	06S95434W51	RES. RK 222J 1/4 -CP
R8033	06S95434W23	RES. RK 8R2J 1/4 -CP
R8034	06S95434W79	RES. RK 182J 1/4 -CP
R8035	06S95434W79	RES. RK 182J 1/4 -CP
R8036	06S15304Y82	RES. RK 243J 1/16 -CP
R8037	06S95434W79	RES. RK 182J 1/4 -CP
R8038	06S95434W79	RES. RK 182J 1/4 -CP
R8039	06S15304Y73	RES. RK 103J 1/16 -CP
R8040	06T75434W13	RES. RK 434J 1/4 -CP
R8041	06S15304Y65	RES. RK 472J 1/16 -CP
R8043	06S64995F95	RES. RK 563J 1/8 -CP
R8044	06T75434W12	RES. RK 394J 1/4 -CP
R8045	06T75433W99	RES. RK 124J 1/4 -CP
R8046	06S45674W82	RES. RK 113J 1/10 -CP
R8047	06S15304Y73	RES. RK 103J 1/16 -CP
R8048	06S15304Y77	RES. RK 153J 1/16 -CP
R8049	06S15304Y33	RES. RK 221J 1/16 -CP
R8050	06S15304Y73	RES. RK 103J 1/16 -CP
R8051	06S15304Y89	RES. RK 473J 1/16 -CP
R8052	06S15304Y61	RES. RK 332J 1/16 -CP
R8053	06S95434W73	RES. RK 102J 1/4 -CP
R8055	06S95434W71	RES. RK 821J 1/4 -CP
R8056	06S95434W93	RES. RK 682J 1/4 -CP
R8058	06S15593Y55	RES. RK 182F 1/10 -CP
R8060	06S15593Y67	RES. RK 562F 1/10 -CP
R8061	06S45675W24	RES. RK 564J 1/10 -CP
R8062	06S15304Y89	RES. RK 473J 1/16 -CP
R8063	06S15304Y49	RES. RK 102J 1/16 -CP
R8065	06S95434W77	RES. RK 152J 1/4 -CP
R8066	06S70072F17	RES. CP . 33R-J-1/4-CP
R8101	06T75433W82	RES. RK 243J 1/4 -CP
R8102	06S70072F62	RES. CP . 242-J-1/4-CP
R8103	06S70072F62	RES. CP . 242-J-1/4-CP
R8104	06S95434W81	RES. RK 222J 1/4 -CP
R8105	06S70072F60	RES. CP . 202-J-1/4-CP
R8106	06S45675W24	RES. RK 564J 1/10 -CP
R8107	06S45675W43	RES. RK JUMPER1/10-CP
R9001	06S15304Y65	RES. RK 472J 1/16 -CP
R9002	06S15304Y43	RES. RK 561J 1/16 -CP
R9003	06S15304Y57	RES. RK 222J 1/16 -CP
R9004	06S15304Y37	RES. RK 331J 1/16 -CP
R9010	06S15304Y51	RES. RK 122J 1/16 -CP

Symbol No.	Part No.	Description
R9011	06S15304Y49	RES. RK 102J 1/16 -CP
R9012	06S15304Y67	RES. RK 562J 1/16 -CP
R9013	06S15304Y53	RES. RK 152J 1/16 -CP
R9014	06S45675W22	RES. RK 474J 1/10 -CP
R9015	06S15304Y43	RES. RK 561J 1/16 -CP
R9016	06S15304Y59	RES. RK 272J 1/16 -CP
R9017	06S15304Y58	RES. RK 272J 1/16 -CP
R9018	06S15304Y59	RES. RK 272J 1/16 -CP
R9019	06S15304Y45	RES. RK 681J 1/16 -CP
R9020	06S15304Y73	RES. RK 103J 1/16 -CP
R9021	06S15304Y71	RES. RK 822J 1/16 -CP
R9022	06S15304Y49	RES. RK 102J 1/16 -CP
R9023	06S15304Y67	RES. RK 562J 1/16 -CP
R9024	06S45675W24	RES. RK 564J 1/10 -CP
R9025	06S15304Y85	RES. RK 333J 1/16 -CP
R9027	06S15304Y94	RES. RK 753J 1/16 -CP
R9028	06S45675W30	RES. RK 105J 1/10 -CP
R9029	06S45675W31	RES. RK 125J 1/10 -CP
R9030	06S45675W31	RES. RK 125J 1/10 -CP
R9031	06S15304Y69	RES. RK 682J 1/16 -CP
R9034	06S15304Y83	RES. RK 273J 1/16 -CP
R9035	06S15304Y77	RES. RK 153J 1/16 -CP
R9036	06S15304Y94	RES. RK 753J 1/16 -CP
R9037	06S15304Y89	RES. RK 473J 1/16 -CP
R9038	06S15304Y87	RES. RK 393J 1/16 -CP
R9039	06S15304Y77	RES. RK 153J 1/16 -CP
R9040	06S15304Y89	RES. RK 473J 1/16 -CP
R9041	06S15304Y77	RES. RK 153J 1/16 -CP
R9042	06S15304Y83	RES. RK 273J 1/16 -CP
R9043	06S15304Y73	RES. RK 103J 1/16 -CP
R9044	06S15304Y25	RES. RK 101J 1/16 -CP
R9045	06S45675W42	RES. RK 106J 1/10 -CP
R9046	06S15304Y73	RES. RK 103J 1/16 -CP
R9048	06S15304Y77	RES. RK 153J 1/16 -CP
R9049	06S15304Y73	RES. RK 103J 1/16 -CP
R9050	06S15304Y25	RES. RK 101J 1/16 -CP
R9051	06S15304Y85	RES. RK 333J 1/16 -CP
R9052	06S15304Y73	RES. RK 103J 1/16 -CP
R9053	06S15304Y79	RES. RK 183J 1/16 -CP
R9054	06S15304Y85	RES. RK 333J 1/16 -CP
R9055	06S45675W27	RES. RK 754J 1/10 -CP
R9058	06S15304Y49	RES. RK 102J 1/16 -CP
R9059	06S15304Y80	RES. RK 203J 1/16 -CP
R9060	06S15304Y89	RES. RK 473J 1/16 -CP
R9061	06T25278Y14	RES. RK 224J 1/16 -CP
R9062	06S15304Y65	RES. RK 472J 1/16 -CP
R9063	06S15304Y73	RES. RK 103J 1/16 -CP
R9064	06S15304Y49	RES. RK 102J 1/16 -CP
R9065	06S15304Y83	RES. RK 273J 1/16 -CP

Symbol No.	Part No.	Description
R9066	06S15304Y73	RES. RK 103J 1/16 -CP
R9067	06S15593Y79	RES. RK 183F 1/10 -CP
R9068	06S15304Y94	RES. RK 753J 1/16 -CP
R9069	06S15304Y85	RES. RK 333J 1/16 -CP
R9071	06S45675W26	RES. RK 684J 1/10 -CP
R9072	06S45675W18	RES. RK 334J 1/10 -CP
R9073	06S15304Y73	RES. RK 103J 1/16 -CP
R9074	06S15304Y67	RES. RK 562J 1/16 -CP
R9075	06S15304Y45	RES. RK 751J 1/16 -CP
R9076	06S15304Y57	RES. RK 222J 1/16 -CP
R9077	06S15304Y67	RES. RK 562J 1/16 -CP
R9078	06S15304Y46	RES. RK 751J 1/16 -CP
R9079	06S15304Y57	RES. RK 222J 1/16 -CP
R9080	06S15304Y67	RES. RK 562J 1/16 -CP
R9081	06S15304Y46	RES. RK 751J 1/16 -CP
R9082	06S15304Y57	RES. RK 222J 1/16 -CP
R9083	06S15304Y65	RES. RK 472J 1/16 -CP
R9084	06S15304Y49	RES. RK 102J 1/16 -CP
R9085	06S15304Y49	RES. RK 102J 1/16 -CP
R9088	06S15304Y65	RES. RK 472J 1/16 -CP
R9089	06S15304Y49	RES. RK 102J 1/16 -CP
R9091	06S15304Y49	RES. RK 102J 1/16 -CP
R9093	06S15304Y65	RES. RK 472J 1/16 -CP
R9094	06S15304Y49	RES. RK 102J 1/16 -CP
R9096	06S15304Y49	RES. RK 102J 1/16 -CP
R9099	06S45675W34	RES. RK 225J 1/10 -CP
R9100	06S15304Y49	RES. RK 102J 1/16 -CP
R9102	06S15304Y61	RES. RK 332J 1/16 -CP
R9103	06S15304Y21	RES. RK 68RJ 1/16 -CP
R9104	06S15304Y21	RES. RK 68RJ 1/16 -CP
R9105	06S15304Y21	RES. RK 68RJ 1/16 -CP
R9106	06S15304Y22	RES. RK 75RJ 1/16 -CP
R9107	06S15304Y57	RES. RK 222J 1/16 -CP
R9109	06S45675W30	RES. RK 105J 1/10 -CP
R9110	06S15304Y69	RES. RK 682J 1/16 -CP
R9111	06S15304Y57	RES. RK 222J 1/16 -CP
R9112	06S15304Y99	RES. RK 124J 1/16 -CP
R9113	06S15304Y99	RES. RK 124J 1/16 -CP
R9114	06S15304Y99	RES. RK 124J 1/16 -CP
R9115	06S15304Y97	RES. RK 104J 1/16 -CP
R9116	06S15304Y97	RES. RK 104J 1/16 -CP
R9117	06S95432W61	RES. RK 102J 1/10 -CP
R9120	06S15304Y25	RES. RK 101J 1/16 -CP
R9121	06S15304Y25	RES. RK 101J 1/16 -CP
R9125	06S95434W89	RES. RK 472J 1/4 -CP
R9127	06S95432W61	RES. RK 102J 1/10 -CP
R9128	06S95432W61	RES. RK 102J 1/10 -CP
R9129	06S64895F29	RES. RK 101J 1/8 -CP
R9130	06S64895F29	RES. RK 101J 1/8 -CP

Symbol No.	Part No.	Description
R9131	06S64995F29	RES, RK 101J 1/8 -CP
R9134	06S95432W61	RES, RK 102J 1/10 -CP
R9137	06S95432W61	RES, RK 102J 1/10 -CP
R9139	06S15304Y21	RES, RK 68RJ 1/16 -CP
R9141	06S15304Y25	RES, RK 101J 1/16 -CP
R9142	06S15304Y25	RES, RK 101J 1/16 -CP
R9143	06S15304Y25	RES, RK 101J 1/16 -CP
R9144	06S15304Y25	RES, RK 101J 1/16 -CP
R9145	06S15304Y25	RES, RK 101J 1/16 -CP
R9146	06S15304Y25	RES, RK 101J 1/16 -CP
R9147	06S15304Y25	RES, RK 101J 1/16 -CP
R9148	06S15304Y25	RES, RK 101J 1/16 -CP
R9149	06S15304Y25	RES, RK 101J 1/16 -CP
R9152	06S15304Y49	RES, RK 102J 1/16 -CP
R9153	06S15304Y22	RES, RK 75RJ 1/16 -CP
R9154	06S95434W46	RES, RK 75RJ 1/4 -CP
R9155	06S95434W46	RES, RK 75RJ 1/4 -CP
R9156	06S95434W46	RES, RK 75RJ 1/4 -CP
R9157	06S15304Y22	RES, RK 75RJ 1/16 -CP
R9173	06S95434W41	RES, RK 47RJ 1/4 -CP
R9175	06S95434W76	RES, RK 132J 1/4 -CP
R9184	06S15304Y25	RES, RK 101J 1/16 -CP
R9187	06S15304Y75	RES, RK 123J 1/16 -CP
R9188	06S15304Y65	RES, RK 472J 1/16 -CP
R9189	06S35095Y08	RES, RK JUMPER 1/4-CP
R9190	06S35095Y08	RES, RK JUMPER 1/4-CP
R9191	06S35095Y08	RES, RK JUMPER 1/4-CP
RA0001	06S45591W06	RES, ARY MNR102J 4-CP
RA6001	06S15771Y25	RES, ARYEXB28V102J-CP
RA6005	06S15771Y25	RES, ARYEXB28V102J-CP
RA6006	06S15771Y25	RES, ARYEXB28V102J-CP
RA6007	06S15771Y25	RES, ARYEXB28V102J-CP
RA6009	06S15771Y25	RES, ARYEXB28V102J-CP
RA6011	06S15771Y25	RES, ARYEXB28V102J-CP
RA6014	06S15771Y25	RES, ARYEXB28V102J-CP
RA6015	06S15771Y25	RES, ARYEXB28V102J-CP
RA6016	06S15771Y25	RES, ARYEXB28V102J-CP
RA6017	06S15771Y25	RES, ARYEXB28V102J-CP
VR1071	18T55283W22	VAR, RH03APA 334 -CP
VR9005	18T55283W16	VAR, RH03APA 333 -CP
VR9006	18T55283W16	VAR, RH03APA 333 -CP
VR9007	18T55283W16	VAR, RH03APA 333 -CP

Connectors

CB0008	09T15115W04	BTB, 9110B-04Z900 -DS
CB0009	09T15115W18	BTB, 9110B-18Z900 -DS
CB6002	09T25286Y14	WTB, BM(14)B-SRSS -E9
CB6003	09T25286Y12	WTB, BM(12)B-SRSS -E9
CB6004	09T95487W06	WTB, 53047-0610 -DB
CN6002	01T35040Y01	Assy., Wire 14P-2/12P
CN6003	01T35040Y02	Assy., Wire 12P-5/7P

Main 2F P.W.Board

IC's

IC2401	51T15523Y01	TLC2932 -SE5
IC2408	51T15206Y01	TC7WH04FU-TE12L -SE1
IC2501	51T15507Y01	YGV613-S -QT
IC2502	51T35220Y01	TC7WH126FU-TE12L-SE1
IC2531	51T25241Y02	MSM5118160D-50 -ST
IC2541	51T15731W04	TC7S32F-TE85L -CP
IC2551	51T25241Y02	MSM5118160D-50 -ST
IC2561	51T25151Y01	TC74VHC221AFS-EL-SE5
IC2601	51T95048W01	BA3834F -SE9
IC6401	51T15471Y01	IC, DT0310DGJ-33 -QT
IC6461	51T25330Y01	TC7WH123FU-TE12L-SE1
IC6471	51T55070W05	MB88385CPF-ER -SE9
IC6501	51T25396Y06	OTP, M27C2202CZ
IC6521	51T15550Y01	MSM514260CP-50TSK-ST
IC6561	51T15154Y01	AT25320-TE-L -SE2
IC6580	51T15731W08	TC7S08F-TE85L -CP
IC8401	51T25045Y01	AN77033SP-TX -NE5
IC8502	51T25045Y03	AN7705SP-TX -NE5
IC8503	51T25045Y03	AN7705SP-TX -NE5

Transistors

Q2601	48T25137Y02	TR, UN5212J-TX -CP
Q6471	48T25136Y02	TR, UN5112J-TX -CP
Q8501	48T73022F01	TR, 2SB766A
Q8502	48T62967F03	TR, DTC124EKA-T146-CP

Diodes

D6472	48T75404W01	DIO, 1SS353-TE17 -CP
D8501	48T25651W02	DIO, MA152WK-TX -CP
ZD6471	48T15542Y05	DIO, ZEN MA1Z068 -E1
ZD6472	48T15542Y05	DIO, ZEN MA1Z068 -E1

Symbol No.	Part No.	Description
Coils		
FB2401	24T95457W02	IND. BLM21B050SPT -CP
FB2403	24T95457W02	IND. BLM21B050SPT -CP
FB6402	24T95457W02	IND. BLM21B050SPT -CP
FB6495	24T95457W02	IND. BLM21B050SPT -CP
FB6496	24T95457W02	IND. BLM21B050SPT -CP
FB6461	24T95457W02	IND. BLM21B050SPT -CP
FB6462	24T95456W12	IND. BLM11A102SPT -CP
FB6463	24T95456W07	IND. BLM11B102SPT -CP
FB6464	24T95456W07	IND. BLM11B102SPT -CP
FB6465	24T95456W07	IND. BLM11B102SPT -CP
FB6466	24T95456W07	IND. BLM11B102SPT -CP
FB6467	24T95456W07	IND. BLM11B102SPT -CP
FB6468	24T95456W12	IND. BLM11A102SPT -CP
FB6561	24T95457W02	IND. BLM21B050SPT -CP
FB6562	24T95457W02	IND. BLM21B050SPT -CP
FB6563	24T95456W01	IND. BLM11P300SPT -CP
FB6564	24T95456W01	IND. BLM11P300SPT -CP
FB6565	24T95456W01	IND. BLM11P300SPT -CP
FB6566	24T95456W12	IND. BLM11A102SPT -CP
FB6567	24T95456W07	IND. BLM11B102SPT -CP
FB6568	24T95456W07	IND. BLM11B102SPT -CP
FB6569	24T95456W07	IND. BLM11B102SPT -CP
FB6570	24T95456W07	IND. BLM11B102SPT -CP
FB6571	24T95456W07	IND. BLM11B102SPT -CP
FB6573	24T95457W08	IND. BLM21B102SPT -CP
FB6574	24T95456W12	IND. BLM11A102SPT -CP
FB6575	24T95456W12	IND. BLM11A102SPT -CP
FB6576	24T95456W12	IND. BLM11A102SPT -CP
FB6577	24T95456W12	IND. BLM11A102SPT -CP
Filters		
CF2501	91T95452W01	EMI, NFM39R02C220 -CP
CF2502	91T95452W01	EMI, NFM39R02C220 -CP
CF2503	91T95452W01	EMI, NFM39R02C220 -CP
Z2401	91T25312Y01	EMI, NFM41P11C204 -E1
Z2501	91T25312Y01	EMI, NFM41P11C204 -E1
Z2502	91T25312Y01	EMI, NFM41P11C204 -E1
Z2531	91T25312Y01	EMI, NFM41P11C204 -E1
Z6401	91T25312Y01	EMI, NFM41P11C204 -E1
Z6404	91T25312Y01	EMI, NFM41P11C204 -E1
Z6501	91T25312Y01	EMI, NFM41P11C204 -E1
Z6521	91T25312Y01	EMI, NFM41P11C204 -E1

Symbol No.	Part No.	Description
Crystals		
XL2501	91T45118W87	XTL, AT-51 16.384M +/-
XL6401	91T45119W20	XTL, AT-51 5.8593M +/-
XL6471	91T45118W12	XTL, 4.000 -AT51-SL
Capacitors		
C2401	08S45676W80	CAP, CER 223K-B1E -CP
C2402	08S53332F47	CAP, CP, 103-K-B -CP
C2403	08S60102F48	CAP, CER 105K-B1E -CP
C2404	08S45677W38	CAP, CER, 121J-CH1H-CP
C2469	08S45676W80	CAP, CER 223K-B1E -CP
C2501	08S45676W80	CAP, CER 223K-B1E -CP
C2502	08S45676W85	CAP, CER 104K-B1C -CP
C2503	08S45676W80	CAP, CER 223K-B1E -CP
C2504	08S45676W80	CAP, CER 223K-B1E -CP
C2505	08S45676W80	CAP, CER 223K-B1E -CP
C2506	08S45676W80	CAP, CER 223K-B1E -CP
C2507	08S45676W80	CAP, CER 223K-B1E -CP
C2508	08S45676W80	CAP, CER 223K-B1E -CP
C2509	08S45676W80	CAP, CER 223K-B1E -CP
C2510	08S45677W18	CAP, CER 18RJ-CH1H-CP
C2511	08S45677W18	CAP, CER, 18RJ-CH1H-CP
C2512	08S45676W80	CAP, CER 223K-B1E -CP
C2513	08S45676W80	CAP, CER 223K-B1E -CP
C2514	08S45676W80	CAP, CER 223K-B1E -CP
C2519	08S45676W80	CAP, CER 223K-B1E -CP
C2531	08S45676W80	CAP, CER 223K-B1E -CP
C2532	08S45676W80	CAP, CER 223K-B1E -CP
C2541	08S45676W80	CAP, CER 223K-B1E -CP
C2551	08S45676W80	CAP, CER 223K-B1E -CP
C2552	08S45676W80	CAP, CER 223K-B1E -CP
C2553	08S45677W36	CAP, CER, 101J-CH1H-CP
C2561	08S45677W44	CAP, CER, 221J-CH1H-CP
C2562	08S45677W36	CAP, CER, 101J-CH1H-CP
C2563	08S45676W80	CAP, CER 223K-B1E -CP
C2601	08S45676W80	CAP, CER 223K-B1E -CP
C2602	08S45676W85	CAP, CER 104K-B1C -CP
C2603	08S45676W85	CAP, CER 104K-B1C -CP
C2604	08S45676W85	CAP, CER 104K-B1C -CP
C2605	08S45676W85	CAP, CER 104K-B1C -CP
C2606	08S45676W86	CAP, CER 273K-B1E -CP
C6402	08S45676W80	CAP, CER 223K-B1E -CP
C6403	08S45676W80	CAP, CER 223K-B1E -CP
C6404	08S45676W80	CAP, CER 223K-B1E -CP
C6405	08S45676W80	CAP, CER 223K-B1E -CP
C6496	08S45677W18	CAP, CER, 18RJ-CH1H-CP

Symbol No.	Part No.	Description
C6407	08S45677W18	CAP, CER 18RJ-CH1H-CP
C6408	08S45676W80	CAP, CER 223K-B1E -CP
C6409	08S45676W80	CAP, CER 223K-B1E -CP
C6410	08S45676W80	CAP, CER 223K-B1E -CP
C6411	08S45676W80	CAP, CER 223K-B1E -CP
C6461	08S45676W80	CAP, CER 223K-B1E -CP
C6462	08S45676W56	CAP, CER 273K-B1E -CP
C6471	08S45676W80	CAP, CER 223K-B1E -CP
C6472	08S45677W22	CAP, CER 27RJ-CH1H-CP
C6473	08S45677W22	CAP, CER 27RJ-CH1H-CP
C6501	08S45676W80	CAP, CER 223K-B1E -CP
C6521	08S45676W80	CAP, CER 223K-B1E -CP
C6522	08S45676W80	CAP, CER 223K-B1E -CP
C6561	08S45676W80	CAP, CER 223K-B1E -CP
C6580	08S45676W80	CAP, CER 223K-B1E -CP
C8502	08S45676W80	CAP, CER 223K-B1E -CP
C8503	08S45676W80	CAP, CER 223K-B1E -CP
C8504	08S45676W80	CAP, CER 223K-B1E -CP
C8553	08S45675W73	CAP, CER 103K-B1H -CP
C8557	08S45676W73	CAP, CER 103K-B1H -CP
E2408	23T15765Y19	CAP, TAN 10R-1C-V -E1
E2501	23T15765Y19	CAP, TAN 10R-1C-V -E1
E2502	23T15765Y19	CAP, TAN 10R-1C-V -E1
E2531	23T15766Y19	CAP, TAN 10R-1C-V -E1
E2551	23T15765Y19	CAP, TAN 10R-1C-V -E1
E2571	23T15765Y19	CAP, TAN 10R-1C-V -E1
E2572	23T15765Y19	CAP, TAN 10R-1C-V -E1
E2573	23T15765Y19	CAP, TAN 10R-1C-V -E1
E2601	23T15765Y78	CAP, TAN 22R-1C-E -E1
E6401	23T15765Y19	CAP, TAN 10R-1C-V -E1
E6471	23T15765Y23	CAP, TAN 47R-1C-G -E2
E6472	23T15765Y23	CAP, TAN 47R-1C-G -E2
E6501	23T15765Y19	CAP, TAN 10R-1C-V -E1
E6521	23T15765Y19	CAP, TAN 10R-1C-V -E1
E6561	23T15765Y78	CAP, TAN 22R-1C-E -E1
E8401	23T15765Y19	CAP, TAN 10R-1C-V -E1
E8402	23T15765Y19	CAP, TAN 10R-1C-V -E1
E8503	23T95564W10	CAP, FC 47R-1C-D -E6
E8504	23T95564W04	CAP, FC 101-0J-D -E6
E8505	23T95564W10	CAP, FC 47R-1C-D -E6
E8506	23T95564W04	CAP, FC 101-0J-D -E6
R2410	08S45677W40	CAP, CER 151J-CH1H-CP

Resistors

FB6572	06S45675W43	RES, RK JUMPER1/10-CP
R2401	06S15593Y57	RES, RK 222F 1/10 -CP
R2402	06S15593Y53	RES, RK 152F 1/10 -CP

Symbol No.	Part No.	Description
R2403	06S15593Y59	RES, RK 272F 1/10 -CP
R2406	06S45675W43	RES, RK JUMPER1/10-CP
R2501	06S45675W43	RES, RK JUMPER1/10-CP
R2506	06S45674W33	RES, RK 101J 1/10 -CP
R2507	06S45674W33	RES, RK 101J 1/10 -CP
R2508	06S45674W33	RES, RK 101J 1/10 -CP
R2510	06S45674W57	RES, RK 102J 1/10 -CP
R2511	06S45675W30	RES, RK 105J 1/10 -CP
R2512	06S15593Y23	RES, RK 82RF 1/10 -CP
R2513	06S15593Y23	RES, RK 82RF 1/10 -CP
R2514	06S15593Y23	RES, RK 82RF 1/10 -CP
R2515	06S15593Y36	RES, RK 301F 1/10 -CP
R2516	06S15593Y36	RES, RK 301F 1/10 -CP
R2517	06S15593Y36	RES, RK 301F 1/10 -CP
R2561	06S15593Y71	RES, RK 822F 1/10 -CP
R2562	06S15593Y87	RES, RK 393F 1/10 -CP
R2564	06S45674W37	RES, RK 151J 1/10 -CP
R2601	06S15594Y03	RES, RK 164F 1/10 -CP
R2602	06S15594Y08	RES, RK 274F 1/10 -CP
R2603	06S15593Y93	RES, RK 683F 1/10 -CP
R2604	06S45674W57	RES, RK 102J 1/10 -CP
R2605	06S45674W57	RES, RK 102J 1/10 -CP
R2606	06S45674W57	RES, RK 102J 1/10 -CP
R6404	06S45674W81	RES, RK 103J 1/10 -CP
R6406	06S45674W81	RES, RK 103J 1/10 -CP
R6409	06S45674W33	RES, RK 101J 1/10 -CP
R6412	06S45674W33	RES, RK 101J 1/10 -CP
R6413	06S45675W30	RES, RK 105J 1/10 -CP
R6414	06S45674W33	RES, RK 101J 1/10 -CP
R6415	06S45675W43	RES, RK JUMPER1/10-CP
R6417	06S45675W43	RES, RK JUMPER1/10-CP
R6418	06S45675W43	RES, RK JUMPER1/10-CP
R6419	06S45674W33	RES, RK 101J 1/10 -CP
R6420	06S45674W33	RES, RK 101J 1/10 -CP
R6421	06S45674W33	RES, RK 101J 1/10 -CP
R6422	06S15593Y97	RES, RK 104F 1/10 -CP
R6423	06S45674W33	RES, RK 101J 1/10 -CP
R6424	06S45674W33	RES, RK 101J 1/10 -CP
R6425	06S45674W33	RES, RK 101J 1/10 -CP
R6426	06S45674W33	RES, RK 101J 1/10 -CP
R6427	06S15593Y73	RES, RK 103F 1/10 -CP
R6429	06S45674W33	RES, RK 101J 1/10 -CP
R6430	06S45675W43	RES, RK JUMPER1/10-CP
R6431	06S45674W33	RES, RK 101J 1/10 -CP
R6435	06S45675W43	RES, RK JUMPER1/10-CP
R6440	06S45674W81	RES, RK 103J 1/10 -CP
R6441	06S45674W81	RES, RK 103J 1/10 -CP
R6442	06S45674W81	RES, RK 103J 1/10 -CP
R6443	06S45674W81	RES, RK 103J 1/10 -CP

Symbol No.	Part No.	Description
R6444	06S45674W81	RES. RK 103J 1/10 -CP
R6446	06S45674W81	RES. RK 103J 1/10 -CP
R6447	06S45674W81	RES. RK 103J 1/10 -CP
R6448	06S45674W81	RES. RK 103J 1/10 -CP
R6449	06S45674W33	RES. RK 101J 1/10 -CP
R6450	06S15593Y97	RES. RK 104F 1/10 -CP
R6461	06S15593Y87	RES. RK 393F 1/10 -CP
R6471	06S15593Y89	RES. RK 473F 1/10 -CP
R6472	06S15593Y89	RES. RK 473F 1/10 -CP
R6473	05S64995F05	RES. RK 10RJ 1/8 -CP
R6474	06S15593Y57	RES. RK 222F 1/10 -CP
R6475	06S15593Y53	RES. RK 152F 1/10 -CP
R6476	06S70072F19	RES. CP . 39R-J-1/4-CP
R6477	06S70072F19	RES. CP . 39R-J-1/4-CP
R6478	06S70072F19	RES. CP . 39R-J-1/4-CP
R6479	06S70072F19	RES. CP . 39R-J-1/4-CP
R6480	06S15593Y53	RES. RK 152F 1/10 -CP
R6481	06S15593Y57	RES. RK 222F 1/10 -CP
R6482	06S15593Y89	RES. RK 473F 1/10 -CP
R6526	06S45674W33	RES. RK 101J 1/10 -CP
R6527	06S45674W33	RES. RK 101J 1/10 -CP
R6551	06S70072F37	RES. CP . 221-J-1/4-CP
R6580	06S45674W33	RES. RK 101J 1/10 -CP
R8506	06S70072F17	RES. CP . 33R-J-1/4-CP
R8507	06S70072F17	RES. CP . 33R-J-1/4-CP
R8510	06S70072F33	RES. CP . 151-J-1/4-CP
R8511	06S70072F33	RES. CP . 151-J-1/4-CP
R8516	06S45674W90	RES. RK 243J 1/10 -CP
R8517	06S15593Y53	RES. RK 152F 1/10 -CP
RA2501	06S15771Y13	RES. ARYEXB28V101J-CP
RA2502	06S15771Y13	RES. ARYEXB28V101J-CP
RA2503	06S15771Y13	RES. ARYEXB28V101J-CP
RA2504	06S15771Y13	RES. ARYEXB28V101J-CP
RA2505	06S15771Y13	RES. ARYEXB28V101J-CP
RA2506	06S15771Y13	RES. ARYEXB28V101J-CP
RA2507	06S15771Y13	RES. ARYEXB28V101J-CP
RA2508	06S15771Y13	RES. ARYEXB28V101J-CP
RA2509	06S15771Y13	RES. ARYEXB28V101J-CP
RA2510	06S15771Y13	RES. ARYEXB28V101J-CP
RA2511	06S15771Y13	RES. ARYEXB28V101J-CP
RA2512	06S15771Y13	RES. ARYEXB28V101J-CP
RA6401	06S15771Y13	RES. ARYEXB28V101J-CP
RA6402	06S15771Y13	RES. ARYEXB28V101J-CP
RA6403	06S15771Y13	RES. ARYEXB28V101J-CP
RA6405	06S15771Y13	RES. ARYEXB28V101J-CP
RA6406	06S15771Y13	RES. ARYEXB28V101J-CP
RA6407	06S15771Y13	RES. ARYEXB28V101J-CP
RA6408	06S15771Y13	RES. ARYEXB28V101J-CP
RA6409	06S15771Y13	RES. ARYEXB28V101J-CP

Symbol No.	Part No.	Description
RA6410	06S15771Y13	RES. ARYEXB28V101J-CP
RA6411	06S15771Y13	RES. ARYEXB28V101J-CP
RA6412	06S15771Y13	RES. ARYEXB28V101J-CP
RA6413	06S15771Y13	RES. ARYEXB28V101J-CP
RA6414	06S15771Y13	RES. ARYEXB28V101J-CP
RA6415	06S15771Y13	RES. ARYEXB28V101J-CP
RA6416	06S45591W04	RES. ARY MNR103J 4-CP
RA6417	06S45591W04	RES. ARY MNR103J 4-CP
RA6418	06S45591W04	RES. ARY MNR103J 4-CP
RA6419	06S45591W04	RES. ARY MNR103J 4-CP
RA6420	06S45591W04	RES. ARY MNR103J 4-CP
RA6421	06S45591W04	RES. ARY MNR103J 4-CP
RA6422	06S45591W04	RES. ARY MNR103J 4-CP
RA6423	06S45591W04	RES. ARY MNR103J 4-CP
RA6424	06S45591W04	RES. ARY MNR103J 4-CP

Connectors

CN6002	09T15548Y12	WTB, SM12B-SRSS-TB-E7
CN6003	09T15548Y05	WTB, SM(5)B-SRSS -E5
CN6004	09T15548Y07	WTB, SM07B-SRSS-TB-E5
CN8501	09T15549Y02	WTB, SM(2)B-SRSS -E2

Radio P.W.Board

Transistors

Q1001	48T94606F03	TR, DTC124EUA-T106-CP
Q1002	48T73888F12	TR , CP. FMC2-99

Diode

D1004	48T15437Y01	DIO, HSM123-TL -CP

Coils

L1001	24T50508F18	COI, IND. 4R7-K -A1
L1002	24T16403W29	COI, IND. 15R-M -CP
VT1001	24T15267Y01	COIL, 77L -DB

Filters

CF1001	91T75257W02	LPF, LPF11838KH-3C-DB
L1006	91T15509Y08	EMI, BK1608HM102 -CP

Symbol No.	Part No.	Description
Z1001	91T55571W04	EMI, NFM41R00C221T-E1
Surge Absorber		
SA1001	48725171Y02	VST, SA-C2012-101 -CP
Capacitors		
C1005	08T15399W01	CAP. CER. 223K-B1H -CP
C1009	08S65128F57	CAP. CER. 102K-B1H -CP
C1010	08T15399W04	CAP. CER. 273K-B1H -CP
C1011	08S65128F67	CAP. CER. 682K-B1H -CP
C1012	08S45677W36	CAP. CER. 101J-CH1H-CP
C1013	08S45677W52	CAP. CER 471J-CH1H-CP
C1014	08S35374W01	CAP. CER 104K-B1E-CP
E1001	23S75372W02	CAP. ELY 101-1A -R2
E1002	23S75372W02	CAP. ELY 101-1A -R2
E1003	23S75372W02	CAP. ELY 101-1A -R2
E1004	23S75372W02	CAP. ELY 101-1A -R2
E1005	23S75372W15	CAP. ELY 1R0-1H -R2
E1006	23S75372W12	CAP. ELY R33-1H -R2
Resistors		
R1001	06S95434W25	RES. RK 10RJ 1/4 -CP
R1003	06S53331F39	RES. CP . JUMPER1/8-CP
R1005	06S96432W61	RES. RK 102J 1/10 -CP
R1006	06S96432W61	RES. RK 102J 1/10 -CP
R1007	06S96432W61	RES. RK 102J 1/10 -CP
R1008	06S96432W85	RES. RK 103J 1/10 -CP
R1009	06S96432W61	RES. RK 102J 1/10 -CP
R1010	06S96433W18	RES. RK 224J 1/10 -CP
R1011	06S96432W95	RES. RK 273J 1/10 -CP
R1012	06S64996F08	RES. RK 184J 1/8 -CP
R1013	06S64996F30	RES. RK 225J 1/8 -CP
R1014	06S96432W91	RES. RK 183J 1/10 -CP
R1015	06S96433W10	RES. RK 104J 1/10 -CP
R1016	06S96433W02	RES. RK 473J 1/10 -CP
R1017	06S96433W12	RES. RK 124J 1/10 -CP
R1018	06S96432W81	RES. RK 682J 1/10 -CP
R1019	06S96432W91	RES. RK 183J 1/10 -CP
R1020	06S96432W93	RES. RK 223J 1/10 -CP
R1021	06S96432W76	RES. RK 432J 1/10 -CP
R1022	06S96432W79	RES. RK 562J 1/10 -CP

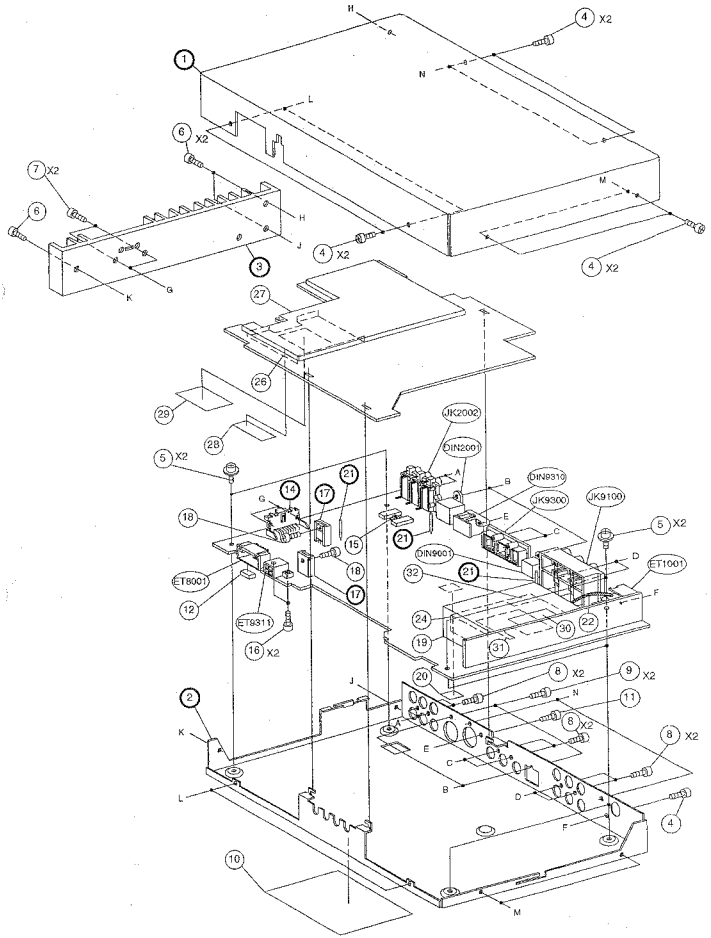
Symbol No.	Part No.	Description
Connectors		
CN1001	09T15116W04	BTB, 9110S-042900 -DS
CN1002	09T15116W18	BTB, 9110S-182900 -DS
Miscellaneous		
DIN2001	09T55071W01	Ai-NET Connector
DIN9001	09T15462Y02	NAVIGATION INPUT Connector
DIN9310	09T85347W02	DISPLAY OUTPUT Connector
ET8001	09T55175W16	POWER SUPPLY Connector
ET9311	09T13515W04	REMOTE OUT Connector
ET1001	09T15760Y02	Jack, FM ANTENNA
JK2002	09T15730Y01	Jack, RCA (AUDIO・FRONT/REAR/SUB W.)
JK9100	09T15493Y01	Jack, RCA (AUX INPUT (AUX1/AUX2)・AUDIO R/AUDIO L (MONO) /VIDEO)
JK9300	09T25257Y01	Jack, RCA (AUX OUTPUT・AUDIO R/AUDIO L (MONO) /VIDEO)

Cabinet Assembly Parts List

NOTE:Parts without part number are not supplied.

Symbol No.	Index	Part No.	Description
4		03S44205G29	Screw, Pan (M2.6X6)
5		03S20855Y01	Screw, W/Double Washer (M2.6X7)
6		03S44205G33	Screw, Pan (M2.6X8)
7		03S38013W02	Screw, Pan (M2.6X14)
8		03S68655F01	Screw, Pan (M3X8)
9		03S94385F17	Screw, Pan Nylok (M2.6X6)
10		14S61338W91	Insulator, Cover
11		03S71677F01	Screw, Pan (M2.6X8)
12		75S21219Y47	Cushion, Rubber
15		36A70927W01	Knob, Slide
16		03S63857F51	Screw, Tapping (M3X10)
18		03S44205G01	Screw, Pan (M3X6)
19		26B22171Y01	Shield, Tuner
20		75S21219Y46	Cushion
22		30A80079F04	Shield, Earth 40
24		77C10163Y01	FM/MW/LW Tuner Unit, MB4R603S (FE1001)
26		26B22172Y01	Shield, P.W.Board (A)
27		26B22174Y01	Shield, P.W.Board (C)
28		14S61338W94	Insulator, Cover
29		14S11351Y98	Insulator, Cover
30		75T25010Y03	Cushion, Shield
31		14A31216Y01	Assy., Insulator Shield
32		41T15030Y03	Spring, Shield (3P)

Symbol No.	Index	Part No.	Description

Exploded View (Cabinet)

(Tuner Unit)